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HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81

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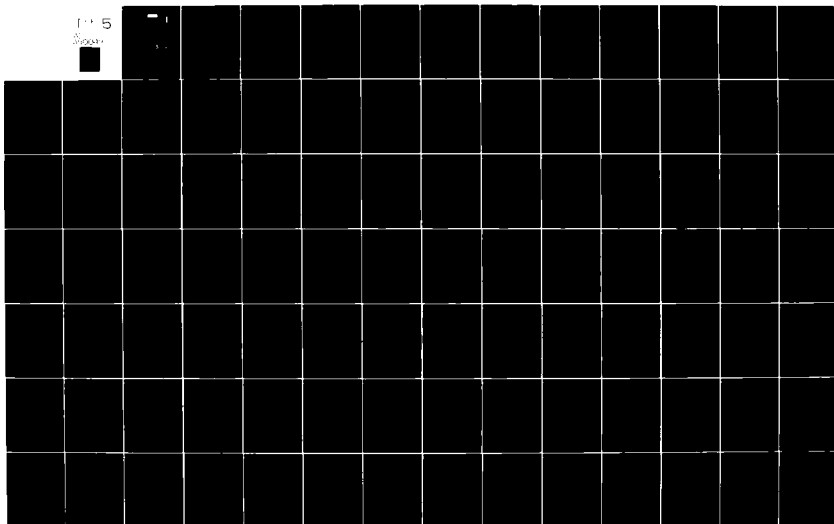
USAFETAC/DS-81/090

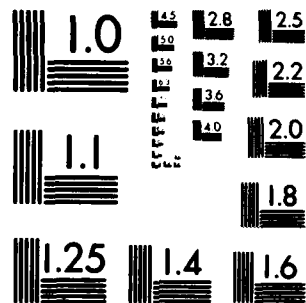
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MICROCOPY RESOLUTION TEST CHART
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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

8 OCT 1981

HEIDELBERG AAF DL WBAN #34046
N 49 24 E 008 39 FLD ELEV 357 FT EDIE WMO #10734

PARTS A-F
POR FROM HOURLY OBS: MAR 68 - DEC 70, JAN 74 - FEB 81
POR FROM DAILY OBS: APR 51 - FEB 81
TIME CONVERSION GMT TO LST: +1

OCT 05 1981

FEDERAL BUILDING

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 81/090	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Hiedelberg AAF, Germany		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Hiedelberg AAF, Germany It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1473
1 JAN 73

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* GERMANY

*

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather observations and the manner of presentation. Instructions are prepared from hourly and daily observations recorded by stations operated by the U. S. Service and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY 34046	STATION NAME HEIDELBERG AAF GERMANY	LATITUDE N 49 24	LONGITUDE E 008 39	FIELD ELEV (FT) 357	CALL SIGN EDIE	WMO NUMP'R 10734
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Heidelberg AAF, Germany	AAF	Apr 51	Feb 56	N 49 24	E 008 39	360	368	24
2	Same	Same	Mar 56	Feb 64	Same	Same	357	359	24
3	Same	Same	Mar 64	Jul 72	Same	Same	357	Same	24
4	Same	Same	Aug 72	Jun 81	Same	Same	357	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS. ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 51 to Feb 59	Located on roof of Weather Station.	AN/GMQ-1	ML-204B	40 Ft	
2	Mar 59 to Feb 60	Located 100 yds off approach end of the Rnwy.	Same	Same	7 Ft	
3	Mar 60 to Feb 62	Located on top of Fire Station, 2/10 NM from approach end Rnwy 26.	AN/GMQ-1	None	35 Ft	
4	Mar 62 to Feb 64	Located on Control Tower.	Same	None	50 Ft	
5	Mar 64 to Jan 65	Same	Same	None	55 Ft	
6	Feb 65 to Feb 71	Located 600 ft NW of Bldg 216, 100 ft S of Rnwy Complex.	Same	RO-2	13 Ft	

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 71 to Feb 78	Same	Same	Same	Same	
8	Mar 78 to Jun 81	Same	Same	RO-362	Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

3 4 WEIDENBERG AAF DL

69-74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0-12		15.4	.5	7.1		22.0	32.5	4.7			37.2	929
	13-24	.1	14.5	1.1	6.8		21.9	34.8	3.0			37.8	930
	16-18		16.2	.9	5.9		22.4	37.6	4.7			42.4	930
	19-21		15.7	.3	7.4		22.6	38.4	6.9			45.3	930
	22-24		14.4	.3	6.1		20.3	30.3	10.6			41.0	930
	10-17		14.3	.2	4.8		18.9	27.2	12.8			40.0	930
	18-21	.1	14.5	.3	5.1		19.4	31.4	8.5			39.9	930
	21-23		15.1	.3	6.5		21.4	30.5	5.8			36.3	930
TOTALS		.0	15.0	.5	6.2		21.1	32.8	7.1			40.0	7439

1
 CLIMATE CLIMATOLOGY BRANCH
 USAFAC
 WEATHER SERVICE/PAC

WEATHER CONDITIONS

3440 HEIDELBERG AAF DL 69-71,74-81 FL

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Jan	10-02		12.5		6.1		18.2	29.2	6.3			35.5	846
	3-05		12.7		6.9		19.5	32.2	3.5			35.7	846
	6-8		14.5		9.2		22.9	33.8	5.6			39.4	846
	19-11		14.4		9.7		22.7	31.6	11.6			43.1	846
	12-14		12.4	.2	6.7		19.1	19.	19.5			38.5	846
	15-17	.1	11.9		6.3	.2	18.4	13.2	20.0			23.2	846
	18-2	.1	12.6	.4	4.6		17.5	21.3	15.2			36.5	846
	1-25		13.4	.1	3.3		16.7	26.7	9.5			36.2	846
TOTALS		.0	13.1	.1	6.5	.	19.4	25.9	11.4			37.3	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

3 4. REIDCLIFF AAF AL

68-73, 74-80

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	0-12		14.5		1.1		15.3	12.5	16.2			22.7	929
	13-24		12.7		1.1		13.3	20.0	8.7			28.7	930
	6-18		16.3		3.2		19.1	27.0	10.0			37.0	930
	9-21	.1	10.1		3.4		17.4	19.0	22.0			41.1	930
	12-14		12.9		1.7		14.0	5.4	29.0			34.4	930
	15-17	.2	13.3		1.3		14.7	3.3	21.4			24.7	930
	18-20	.2	15.9		1.3		17.1	4.7	18.7			23.4	930
	21-23		10.6		.9		17.3	6.6	12.9			19.5	930
TOTALS		.1	14.7		1.7		16.0	12.3	16.6			28.9	7439

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 1. CLIMATE CLIMATOLOGY BRANCH
 2. SHF TAC
 3. WEATHER SERVICE/MAC

WEATHER CONDITIONS

3. 4. HEIDELBERG AAF DL

66-74, 74-80

AF

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	0-02		14.2		.3		14.6	7.1	3.6			14.7	910
	3-5	.1	14.2		.8		14.6	11.1	4.3			15.4	910
	6-8		16.1		1.3		17.1	23.6	10.0			33.6	999
	9-11		14.7		1.0	.1	15.6	8.5	18.0			26.5	898
	12-14		12.7		.7	.1	13.2	3.6	12.0			15.6	899
	15-17	.9	14.7		.2		14.9	1.8	5.7			7.5	899
	18-2	.4	13.4				13.4	2.2	4.3			6.6	910
	1-23	.2	13.1		.2		13.3	4.2	3.6			7.8	899
TOTALS		.2	14.1		.6	.1	14.6	7.8	7.7			15.5	7194

1
GLOBAL CLIMATOLOGY BRANCH
USPFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

3 4 HEIDELBERG AAF DL

63-70, 74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-22	.5	13.1				13.1	9.7	4.1			13.8	930
	3-15	.2	11.6				11.6	18.6	5.1			23.7	930
	6-18	.4	11.8				11.8	24.0	10.5			34.5	931
	9-11	.4	11.3				11.3	7.3	17.4			24.7	930
	12-14	1.0	14.6		.1		14.6	1.9	10.3			12.3	930
	15-17	1.7	11.3				11.3	1.8	6.0			7.8	930
	18-2	1.6	11.1				11.1	2.4	3.5			5.9	930
	1-23	1.0	11.5				11.5	4.9	3.7			8.6	930
TOTALS		.9	12.0		.0		12.0	8.8	7.6			10.4	7440

1
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

31 40 HEIDELBERG AAF DL

66-70, 74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.8	12.2				12.2	10.6	4.7			15.2	900
	03-05	1.3	9.2				9.2	24.1	5.4			29.6	900
	06-08	.7	10.2				10.2	24.1	12.9			37.0	900
	09-11	.4	9.7				9.7	7.7	18.4			26.1	900
	12-14	1.7	10.4				10.4	2.6	11.3			13.9	900
	15-17	4.6	10.8				10.8	1.3	6.2			7.6	900
	18-20	3.0	9.8			.1	9.9	2.4	3.7			6.1	900
	21-23	1.9	10.3				10.3	5.3	5.2			10.6	900
TOTALS		1.9	10.3			.1	10.3	9.8	8.5			18.3	7200

1
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

3446 HEIDELBERG AAF DL

68-70,74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	0-32	1.1	9.7				9.7	10.6	2.5			13.1	930
	03-15	1.0	7.4				7.4	22.6	4.9			27.5	930
	16-18	.8	10.9				10.9	24.7	11.7			36.5	930
	19-11	.5	10.3				10.3	8.7	16.0			24.7	930
	12-14	.8	9.6				9.6	3.3	8.5			11.8	930
	15-17	3.0	8.7				8.7	1.3	4.6			5.9	930
	18-20	2.0	8.1				8.1	2.5	3.3			5.8	930
	21-23	2.5	9.5				9.5	4.4	4.4			8.8	930
TOTALS		1.5	9.3				9.3	9.8	7.0			16.8	7440

1

WEATHER CONDITIONS

ALC

~~MONTH~~

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.0	7.6				7.6	12.0	5.1			17.1	930
	3-05	.5	10.9				10.9	24.8	4.2			29.5	930
	06-08	.2	10.8				10.8	32.9	11.5			44.4	930
	09-11		9.4				9.4	13.1	23.5			36.7	930
	12-14	1.3	8.2				8.2	3.1	18.2			21.3	930
	15-17	2.6	8.3				8.3	1.6	11.5			13.1	930
	18-20	3.3	6.8				6.8	2.4	11.4			13.8	930
	21-23	1.7	8.3				8.3	6.8	8.0			14.7	930
TOTALS		1.4	8.8				8.8	12.1	11.7			23.8	7440

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

30 40 HEIDELBERG AAF DL

68-70, 74-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.3	8.0				8.0	24.7	3.6			28.2	900
	03-05	.2	6.0				6.0	36.9	3.0			39.9	900
	06-08	.4	8.2				8.2	48.4	5.4			53.9	900
	09-11	.1	9.1				9.1	23.3	23.3			46.7	900
	12-14	.4	7.0				7.0	5.6	22.4			28.0	900
	15-17	1.4	6.7				6.7	2.1	13.8			15.9	900
	18-20	.8	6.9				6.9	4.6	13.4			16.0	900
	21-23	.7	8.7				8.7	14.0	9.8			23.6	900
TOTALS		.5	8.1				8.1	20.0	11.8			31.8	7200

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE /MAC

WEATHER CONDITIONS

38-40 HEIDELBERG AAF DL

68-70, 74-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-12		10.8				10.8	38.4	5.7			44.1	930
	13-15		12.9				12.9	46.6	4.6			51.2	930
	16-18		14.5				14.5	54.4	4.2			58.6	930
	19-21		13.5				13.5	43.3	14.4			57.7	930
	22-24		12.3				12.3	21.9	23.4			45.4	930
	25-27	.6	10.6		.1	.1	10.8	16.0	20.4			36.5	930
	28-31	.1	11.5				11.5	26.2	12.5			38.7	930
	01-23	.2	11.1				11.1	34.9	7.0			41.9	930
TOTALS		.1	12.2		.0	.0	12.2	35.2	11.5			46.8	7440

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

3 41 REIDELBERG AAF DL

68-70, 74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		13.6		1.9		14.9	29.1	4.6			33.7	900
	03-05		16.1		3.1		18.1	31.6	2.7			34.2	900
	06-08		14.9		3.2		17.2	35.4	3.9			39.3	900
	09-11		15.4		4.1		18.9	34.3	6.6			40.9	900
	12-14	.1	14.6		2.7	.2	17.3	24.6	11.9			36.7	900
	15-17		13.4		2.7		15.6	21.4	12.2			33.7	900
	18-20	.1	12.2		2.0		14.0	25.7	8.0			33.7	900
	21-23		14.0		1.7		15.6	28.0	4.3			32.3	900
TOTALS		.0	14.3		2.7	.0	16.5	28.6	6.8			35.6	7200

1
GLOBAL CLIMATOLOGY BRANCH
AFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

304 HEIDELBERG AAF DL

68-71, 74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	0-21		12.3	.3	5.1		17.3	29.1	7.7			36.9	930
	23-5		14.3	.5	4.2		18.9	30.2	7.5			37.7	930
	6-8		15.7	.9	4.7		21.3	30.8	7.7			38.5	930
	9-11		14.7	1.0	7.8		23.4	31.5	9.2			40.8	930
	12-14	.1	15.8	.6	7.6		23.4	24.7	12.9			37.6	930
	15-17	.1	12.9	.3	6.3		18.4	25.1	16.5			41.5	930
	18-21	.1	12.0	.9	5.6		17.1	27.7	12.6			40.3	930
	21-23		9.6	1.0	5.9		16.0	28.9	9.1			38.1	930
TOTALS		.0	13.4	.7	5.9		19.5	28.5	10.4			38.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

WEATHER CONDITIONS

3 40 HEIDELBERG AAF DL

68-70, 74-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	15.0	.5	6.2		21.1	32.8	7.1			43.0	7439
FEB		.0	13.1	.1	6.5	.0	19.4	25.9	11.4			37.3	6768
MAR		.1	14.7		1.7		16.0	12.3	16.6			28.9	7439
APR		.2	14.1		.6	.1	14.6	7.8	7.7			15.5	7194
MAY		.9	12.0		.0		12.0	3.8	7.6			16.4	7440
JUN		1.9	10.3			.0	10.3	9.8	8.5			19.3	7200
JUL		1.5	9.3				9.3	9.8	7.0			16.8	7440
AUG		1.4	8.8				8.8	12.1	11.7			23.8	7440
SEP		.5	6.1				8.1	20.0	11.8			31.8	7200
OCT		.1	12.2		.0	.0	12.2	35.2	11.5			46.8	7440
NOV		.0	14.3		2.7	.0	16.5	28.8	6.8			35.6	7200
DEC		.0	13.4	.7	5.9		19.5	28.5	10.4			38.9	7440
TOTALS		.6	12.1	.1	2.0	.0	14.0	19.3	9.8			29.2	87640

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

3446 HEIDELBERG AAF DL 51-81 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.4	49.8	3.0	33.5	.3	67.1	69.8	65.9	.2		89.4	930
FEB		.9	46.1	1.7	30.7	.6	62.6	65.4	71.3	.4		86.6	848
MAR		1.7	48.3		14.5	.7	55.7	48.5	72.7	.1		80.6	899
APR		5.9	56.1		6.4	2.5	57.0	45.7	67.7			76.0	880
MAY		15.2	56.5		.5	2.0	56.5	43.1	63.3			73.0	930
JUN		22.0	57.1			1.3	57.1	45.2	64.7		.1	75.0	900
JUL		18.5	52.4			1.0	52.4	43.3	64.4			74.3	930
AUG		17.5	53.1			.4	53.1	48.5	65.5			75.2	930
SEP		7.1	46.8			.6	46.8	64.2	73.2			81.3	900
OCT		1.9	47.8		.5	.1	47.8	72.9	74.1			87.2	929
NOV		.7	59.2	.1	12.6	.2	63.0	68.0	66.7			84.3	888
DEC		.4	54.3	4.0	24.3	.2	66.2	70.2	64.5			88.3	916
TOTALS		7.7	52.3	.7	10.2	.8	57.1	57.1	67.8	.1	.0	80.9	10880

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 57 at 1230GMT
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT
Jul 52-May 57 at 1230GMT
Jun 57-present at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

34 46 HEIDELBERG AAF DL
STATION STATION NAME

51-81
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	32.4	18.5	7.0	14.6	9.6	12.2	4.2	1.5	.1					49.1	930	1.79	4.31	.64
FEB	36.4	18.0	4.7	12.3	8.5	14.7	3.5	1.5	.2					45.5	848	1.74	5.27	.01
MAR	42.9	19.4	4.9	11.6	6.0	8.2	5.3	1.6	.2					37.8	899	1.63	4.01	.28
APR	41.9	15.4	6.4	10.6	7.5	11.1	5.8	1.0	.3					42.7	881	1.83	3.91	.11
MAY	42.9	12.7	3.1	12.3	8.0	10.6	7.6	2.3	.4	.1				44.4	930	2.49	6.98	.38
JUN	41.7	13.7	3.1	9.0	6.6	12.0	8.2	5.1	.6					44.6	899	3.04	6.17	.60
JUL	46.6	13.0	4.8	5.8	6.1	10.9	7.6	4.2	1.0					40.4	930	2.99	6.94	.27
AUG	45.3	13.7	3.7	7.7	5.2	11.8	8.6	3.1	.8	.2				41.1	930	2.97	7.06	1.25
SEP	52.9	11.7	3.7	8.2	5.6	7.8	6.4	3.3	.4					35.4	900	2.19	5.82	.11
OCT	51.4	13.0	3.3	8.1	7.3	8.8	5.4	2.6	.1					35.6	930	1.88	5.27	.04
NOV	37.3	16.4	4.7	13.4	8.5	10.9	6.7	2.0	.2					46.3	898	2.15	4.48	.19
DEC	33.3	21.3	6.0	12.2	8.9	11.4	5.0	1.5	.4					45.4	929	1.97	4.40	.11
ANNUAL	42.1	15.6	4.6	10.5	7.3	10.9	6.2	2.5	.4	.0				42.4	10904	26.67		

1210 WS FORM JUL 64 0-15.5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

3446 STATION HEIDELBERG AAF DL STATION NAME

51-81 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .01	.70	.55	.50	.49	1.03	.63	1.07	.40	
52	.56	.31	.73	.38	.39	.34	.31	2.52	.48	.52	.96	.66	2.52
53	.15	.66	.16	.36	.57	.87	1.11	.44	.53	.76	.15	.28	1.11
54	.61	.24	.49	.34	.98	.78	.40	.77	.51	.69	.10	.45	.98
55	1.02	.32	.17	.51	.97	1.12	.75	.37	.81	.57	.08	.43	1.12
56	.57	.70	.45	1.12	.43	.56	.87	1.48	.55	.40	.61*	.42	1.48
57	.26	.52	.65	.31	.29	.49	1.24	.79	.77	.25	.13	1.42	1.42
58	.41	.55	.36	.48	.35	.75	.86	1.64	.39	.61	.63	.78	1.64
59	.43	.01	.62	.40	.39	.40	.64	2.70	.09	.57	.26	.31	2.70
60	.43	.23	.50	.37	.82	.42	.88	1.19	.39	.61	.45	.44	1.19
61	.47	.25	.47	1.07	.53	1.75	1.96	.58	.22	.29	.38	1.08	1.96
62	.48	1.20	.55	.28	1.03	.70	.60	.50	.47	.25	.16	.48	1.20
63	.19	.26	1.04	.28	.44	1.52	.52	.68	.44	1.47	.79	.07	1.52
64	.17	.28	.44	.73	1.13	.70	.49	.30	1.32	.34	.49	.30	1.32
65	.62	.18	.65	.45	.84	1.49	1.48	.58	.66	.07	.88	1.13	1.49
66	.52	.56	.36	.25	.89	.52	.80	1.00	.37	.61	.41	.77	1.00
67	.21	.50	.63	.64	.78	.53	.65	.45	1.55	.26	.47	.46	1.55
68	.63	.31	.43	1.67	.79*	1.39	.78	1.43	.82	.80	.25	.30	1.67
69	.51	.52	.39	.47	1.05	.70	1.56	.88	.36	.04	.33	.30	1.56
70	.73	1.16	.46	.70	1.37	.47	.37	.42	.85	.44	.22	.56	1.37
71	.27	.18	.11	.66	.43	.71	.11	.80	.24	.29	.49	.17	.80
72	.27	.22	.23	.47	.78	.69	1.27	1.06	.53	.71	.79	.17	1.27
73	.20	.33	.35	.32	.46	.84	.48	.83	.51	.66	.62	.27	.84
74	.46	.38	.43	.29	.87	.39	1.46	.55	.23	.71	.69	.48	1.46
75	.31	.64	.65	.40	.18	.68	.91	1.15	.67	.22	.56	.50	1.15
76	.54	.60	.30	.25	.19	.49	2.13	.83	2.32	.36	.61	.49	2.32
77	.30	.68	.37	.29	.27	.94	.77	.65	.81	.22	.38	.64	.94
78	.53	.48	.58	.14	2.65	.70	.59	.56	.53	.52*	.30	1.11	2.65
79	.24	.37	1.19	.55	.43	.38	.65	.48	.69	.35	.60	.58	1.19
80	.37	.38	.27	.47	.41	.73	.93	.64	.66	.59*	1.25	.23	* 1.25
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

51-81

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

3446 STATION HEIDELBERG AAF DL 51-81 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .01	1.91	4.42	1.91	2.67	3.04	1.54	3.51	1.38	
52	2.43	1.49	3.88	1.04	1.64	1.37	.54	3.99	3.03	3.57	4.48	2.47	29.93
53	.74	1.84	.28	1.93	2.44	5.38	4.69	1.80	1.43	1.52	.19	1.02	23.26
54	2.21	.64	.90	1.97	2.24	3.37	2.77	3.91	3.32	2.31	.66	1.74	26.04
55	2.32	2.18	.76	1.43	2.74	4.16	2.76	1.32	2.46	1.61	.32	2.40	24.46
56	2.06	1.27	.96	3.03	1.96	2.84	4.03	3.99	2.32	2.88	1.52*	1.19	*28.05
57	1.59	2.53	2.67	1.01	1.12	2.45	3.91	3.26	4.94	.57	.55	3.20	27.80
58	1.56	3.60	1.25	.83	2.09	3.04	2.39	3.75	1.39	2.25	1.31	2.47	25.93
59	2.08	.01	1.39	1.81	.86	2.44	1.34	4.11	.11	2.71	1.26	1.43	19.55
60	1.98	1.57	1.11	1.07	3.35	.92	4.31	4.14	1.00	3.94	3.26	2.18	28.83
61	2.05	1.56	.97	3.56	3.19	6.17	5.68	2.68	.86	1.63	1.24	2.67	32.26
62	1.66	2.98	2.63	1.18	3.05	1.21	2.28	1.53	2.08	.43	.89	1.80	21.72
63	.73	.68	3.10	.99	1.65	3.54	1.49	4.52	.88	2.18	3.17	.11	23.04
64	.66	2.04	2.12	1.95	2.90	2.15	1.07	1.61	3.21	1.75	2.17	1.06	22.69
65	4.31	.93	2.26	3.91	2.94	5.36	4.53	1.99	2.69	.13	4.14	4.03	37.22
66	1.92	1.47	1.89	1.95	2.66	2.91	3.53	4.70	1.15	2.47	2.21	4.40	31.26
67	.64	1.62	2.24	2.08	2.74	1.62	1.43	2.17	3.56	1.47	1.97	2.10	23.64
68	2.71	2.27	1.32	3.88	2.88*	3.60	3.10	7.06	5.21	2.13	.64	1.64	*36.44
69	1.69	2.35	1.51	2.56	4.15	3.27	3.59	4.86	.58	.04	2.26	1.21	28.07
70	1.90	5.27	1.48	3.29	3.71	1.47	1.72	1.45	2.06	1.80	1.33	1.29	26.77
71	.87	.97	.44	.90	2.29	3.98	.27	1.73	.67	.63	2.13	.57	15.45
72	.64	.30	.89	2.02	4.38	3.53	2.60	5.22	2.18	1.71	3.69	.42	27.58
73	.73	1.61	.88	1.41	2.81	1.92	3.12	2.16	1.18	2.76	2.63	1.65	22.86
74	1.33	1.47	1.70	.70	2.37	2.13	5.06	2.12	.82	5.27	3.04	3.27	29.28
75	1.66	.94	1.46	1.52	.38	3.59	3.58	2.46	2.54	1.05	2.54	.87	22.59
76	2.33	.92	.95	.68	.67	.60	3.38	1.25	5.82	1.42	2.24	2.18	22.44
77	2.35	3.35	.86	1.42	.79	4.41	1.30	2.67	1.43	1.04	2.95	1.69	24.26
78	1.65	1.71	2.53	.43	6.98	4.06	3.49	1.52	2.68	1.74*	.68	3.67	*31.14
79	1.49	1.87	4.01	2.31	1.98	1.55	2.99	1.87	1.89	1.32	3.83	2.75	27.86
80	1.85	1.51	.88	2.17	1.71	4.24	6.94	2.55	1.18	2.62*	2.44	1.39	*29.48
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
JUL 64

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXX
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

34046 HEIDELBERG AAF DL
STATION STATION NAME

51-81 YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

34 46 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	65.4	19.5	7.1	4.4	1.9	1.0	.3	.2	.1					15.1	899	4.5	11.4	.0
FEB	68.6	18.0	6.4	3.4	2.0	.9	.1	.2	.2					13.3	848	4.2	15.1	.0
MAR	85.6	9.0	2.2	1.6	1.0	.2		.2	.1					5.4	868	2.0	10.2	.0
APR	93.2	5.4	.8	.5			.1							1.4	881	.3	4.3	.0
MAY	99.8	.2													930	TRACE	TRACE	.0
JUN	100.0														900	.0	.0	.0
JUL	100.0														930	.0	.0	.0
AUG	100.0														930	.0	.0	.0
SEP	99.9	.1													900	TRACE	TRACE	.0
OCT	99.4	.6													930	TRACE	TRACE	.0
NOV	87.0	9.2	1.8	1.1	.5	.2	.2							3.8	838	1.2	8.0	.0
DEC	75.2	15.5	3.9	3.3	1.1	.9	.1							9.3	899	2.8	13.5	.0
ANNUAL	89.5	6.5	1.8	1.2	.5	.3	.1	.0	.0					4.0	10753	15.0		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

3446 HEIDELBERG AAF DL
STATION STATION NAME

51-81
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .0	.0	.0	.0	.0	.0	.0	.0	TRACE	
52	.6	3.0	.5	TRACE	.0	.0	.0	.0	.0	.0	.9	1.6	3.0
53	1.5	6.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	6.6
54	3.4	2.0	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.4
55	.3	2.7	2.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.1	2.7
56	3.2	5.8	TRACE	3.8	.0	.0	.0	.0	.0	.0	TRACE	1.5	5.8
57	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.8	2.0
58	4.1	7.5	3.2	.5	.0	.0	.0	.0	.0	.0	.0	1.0	7.5
59	2.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.5
60	2.0	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	2.3	2.3
61	4.4	TRACE	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6	4.4
62	.2	3.8	2.8	TRACE	.0	.0	.0	.0	.0	.0	1.6	1.7	3.8
63	2.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6
64	1.0	2.0	.5	TRACE	.0	.0	.0	.0	.0	.0	.0		
65	3.9	1.0	7.0	.0	.0	.0	.0	.0	.0	.0		TRACE	
66		.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.0	
67	2.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	3.0
68	2.0	2.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.5	3.5	3.5
69	4.6	3.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.7	2.9	4.6
70	6.6	1.9	5.0	1.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0	6.6
71	.9	.5	1.6	.0	.0	.0	.0	.0	.0	.0	2.2	1.0	2.2
72	1.3	TRACE	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.4	.0	1.3
73	1.1	2.0	1.8	1.0	.0	.0	.0	.0	.0	TRACE	4.1	.7	4.1
74	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.3	.3
75	.0	TRACE	5.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.4	5.0
76	3.0	.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.2	3.0
77	2.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.4	1.1	2.5
78	.7	5.5	TRACE	.0	.0	.0	.0	.0	.0	.0*	.1	1.2	5.5
79	2.0	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
80	3.2	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0*	.1	2.1	3.2
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

51-81

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM 0-88-5 (OL A)
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

34 46 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .0	.0	.0	.0	.0	.0	.0	.0	TRACE	
52	1.5	9.0	.6	TRACE	.0	.0	.0	.0	.0	.0	2.2	5.1	18.4
53	4.8	13.5	1.6	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	19.9
54	9.2	3.4	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.7
55	.8	7.7	3.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.1	12.5
56	3.2	11.4	TRACE	4.3	.0	.0	.0	.0	.0	.0	TRACE	5.4	24.3
57	3.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.5	4.7
58	5.0	12.6	6.9	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	26.5
59	11.4	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	11.4
60	3.1	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	8.6	11.9
61	6.4	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	TRACE	2.9	9.9
62	.2	14.0	10.2	TRACE	.0	.0	.0	.0	.0	.0	4.5	3.2	32.1
63	6.8	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	13.8
64	2.2	2.6	.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	
65	8.2	5.0	9.2	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	
66		.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	8.0	
67	2.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.5	6.0
68	7.1	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	3.0	13.5	26.3
69	8.7	15.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.8	8.7	35.3
70	8.9	3.9	7.9	1.2	.0	.0	.0	.0	.0	TRACE	TRACE	4.6	26.5
71	1.4	.6	3.0	.0	.0	.0	.0	.0	.0	.0	5.9	1.4	12.3
72	2.1	TRACE	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.6	.0	3.0
73	2.3	4.6	2.9	1.1	.0	.0	.0	.0	.0	TRACE	8.0	1.5	20.4
74	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.5	.8
75	.0	TRACE	6.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.4	7.3
76	5.6	.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.2	7.9
77	3.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.6	1.1	5.0
78	.7	7.9	TRACE	.0	.0	.0	.0	.0	.0	.0	* .1	2.4	* 11.1
79	5.1	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.1
80	6.6	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	* .1	5.7	* 12.4
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)
JUL 64

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

3446
STATION

HEIDELBERG AAF DL
STATION NAME

51-81
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	67.7	9.0	5.5	8.4	3.9	5.3	.1							23.3	866			
FEB	77.2	6.2	3.4	4.2	4.2	2.7	2.1							16.5	817			
MAR	95.0	2.8	1.1	.4	.4	.5								2.3	834			
APR	99.5	.4	.1											.1	851			
MAY	100.0														899			
JUN	100.0														840			
JUL	100.0														868			
AUG	100.0														868			
SEP	100.0														841			
OCT	100.0														869			
NOV	96.5	2.0	.6	.5	.1	.2								1.4	837			
DEC	83.2	8.2	3.1	2.0	1.8	1.3	.5							8.6	868			
ANNUAL	93.3	2.4	1.1	1.3	.9	.8	.2							4.3	10258			

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

3446 HEIDELBERG AAF DL
STATION STATION NAME

51-81
YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				*	0	0	0	0	0	0	0	0	
52	1	4	0	0	0	0	0	0	0	0	TRACE	1	4
53	3	7	1	0	0	0	0	0	0	0	0	0	7
54	6	3	0	0	0	0	0	0	0	0	0	TRACE	6
55	1	4	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	4
56	3	12	1	1	0	0	0	0	0	0	TRACE	3	12
57	2	0	0	0	0	0	0	0	0	0	0	1	2
58	4	6	2	0	0	0	0	0	0	0	0	TRACE	6
59	4	0	0	0	0	0	0	0	0	0	0	0	4
60	2	0	0	TRACE	0	0	0	0	0	0	0	3	3
61	2	0	0	0	0	0	0	0	0	0	0	2	2
62	0	4	1	0	0	0	0	0	0	0	2	1	4
63	5	5	1	0	0	0	0	0	0	0	0	TRACE	5
64	1	2	0	0	0	0	0	0	0	0	0	3	3
65	2	1		0	0				*	0*	0		
66													
67		0	0	0	0	0	0	0	0	0	0	3	
68	4	1	0	0	0	0	0	0	0	0	0	3	8
69	9	9	TRACE	TRACE	0	0	0	0	0	0	2	5	9
70	4	1	5	0	0	0	0	0	0	0	0	4	5
71	5*	0*	2	0	0	0	0	0	0	0*	2	0	5
72	*	2*	0	0	0	0	0	0	0	0	0	0	*
73	1	3	TRACE	0	0	0	0	0	0	0	4	7	7
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	3	0	0	0	0	0	0	0	0	TRACE	3
76	3	2	0	0	0	0	0	0	0	0	0	1	3
77	2	0	0	0	0	0	0	0	0	0	0	TRACE	2
78	TRACE	6	0	0	0	0	0	0	0	0*	TRACE	1	6
79	3	TRACE	0	0	0	0	0	0	0	0	0	0	3
80	6	0	0	0	0	0	0	0	0	0*	TRACE	5	6
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-3 (OL A)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

51-81

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

DATA NOT AVAILABLE FROM 1951 THROUGH 1964. STATION STARTED REPORTING PEAK GUSTS IN 1965

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

34546 HEIDELBERG AAF DL
STATION STATION NAME

51-81

YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR	MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51														
52														
53														
54														
55														
56														
57														
58														
59														
60														
61														
62														
63														
64														
65		SW 48	SW 34	WSW 25	SW 26	22SW 33	29WSW 22	SW 26	ESE 24	WSW 42	SW 38			SW 48
66		NE *38	SSW 25	WSW 40	WSW 29	WSW 32	SW 22	22SW 24	WSW 27	E 30	SSW*34	SSW 33		WSW 40
67		SW 30	SSW 41	SW 36	33WSW 44	NNW 24	NNW 25	SW 50	37W 37	SW 37	SW 24	SW 34		W 50
68		WSW 28	E 24	WSW 38	W 36	SW 40	E 26	27/ 30	27/ 26	27/ 34	25/ 24	9/ 31	9/ 20	SW 40
69		23/ 24	25/ 22	9/ 28	9/ 34	27/ 32	25/ 30	24/ 26	1/ 27	8/ 20	34/ 20	25/ 44	7/ 23	25/ 44
70		11/ 31	24/ 45	24/ 31	24/ 31	26/ 26	27/ 38	30/ 32	23/ 29	27/ 30	27/ 28	25/ 28	2/ 26	24/ 45
71		24/ 31	15/ 20	3/ 24	25/ 25	6/ 26	28/ 30	26/ 27	28/ 44	23/ 22	21/ 24	22/ 29	9/ 44	28/ 44
72		9/ 24	20/ 22	27/ 52	29/ 39	25/ 34	29/ 21	13/ 21	25/ 32	25/ 25	10/ 23	27/ 36	12/ 32	27/ 52
73		13/ 19	32/ 29	7/ 21	28/ 30	26/ 30	3/ 28	24/ 25	27/ 22	25/ 27	27/ 34	25/ 33	27/ 32	27/ 34
74		26/ 36	33/ 42	24/ 27	3/ 33	32/ 27	28/ 25	26/ 24	25/ 31	22/ 30	22/ 26	29/ 36	25/ 40	33/ 42
75		24/ 34	10/ 28	26/ 30	27/ 29	7/ 33	28/ 27	29/ 27	24/ 24	23/ 29	27/ 25	27/ 29	36/ 20	24/ 34
76		28/ 34	23/ 21	9/ 26	8/ 29	29/ 29	9/ 30	24/ 46	12/ 30	21/ 23	21/ 28	21/ 33	20/ 24	24/ 46
77		26/ 27	21/ 22	29/ 24	24/ 47	9/ 29	22/ 24	3/ 28	19/ 32	23/ 23	27/ 27	43/ 43	24/ 33	24/ 47
78		23/ 41	25/ 26	28/ 36	15/ 27	28/ 21	30/ 32	31/ 21	26/ 18	24/ 29	7/ 19	13/ 14	23/ 44	23/ 44
79		11/ 28	9/ 39	25/ 38	23/ 26	25/ 30	23/ 35	31/ 40	30/ 26	18/ 32	9/ 32	25/ 36	25/ 45	25/ 45
80		22/ 31	31/ 34	27/ 35	30/ 40	6/ 30	33/ 32	20/ 27	30/ 29	27/ 24	10/ 30	11/ 34	24/ 27	30/ 40
MEAN														
S. D.														
TOTAL OBS														

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM JUL 64

0-88-5 (OLA)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

3446 HEIDELBERG AAF DL
STATION STATION NAME

51-81

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3-40 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS JAN MONTH
1000-1200 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.5	.3									2.7	3.8
NNE	1.2	.6	.1									1.9	3.3
NE	1.0	1.4	.1									2.5	4.0
ENE	.8	1.2	.1	.1								2.2	4.4
E	1.4	1.6	.1	.1								3.2	4.2
ESE	.6	.3	.4									1.8	4.6
SE	1.3	1.1	.5	.2								3.1	4.9
SSE	5.8	3.4	.4	.1								9.8	3.4
S	2.7	7.1	.8	.1								16.6	3.6
SSW	2.2	2.4	2.1	.6								7.2	5.8
SW	.8	1.4	1.6	1.3	.5	.2						5.8	9.0
WSW	1.4	1.6	1.1	1.3		.1						5.5	7.1
W	1.6	1.4	1.8	1.0	.1							5.9	6.9
WNW	.3	.2	.4	.5								1.5	9.1
NW	.5	.6		.1								1.3	4.3
NNW	1.5	.4	.1									2.0	2.9
VARBL	1.3	.5	2.4	.8								5.0	7.0
CALM												22.0	
	31.9	26.6	12.4	6.2	.6	.3						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS
STATION NAME CLASS ALL WEATHER
CONDITION
MONTH JAN
HOURS (L.S.T.) 0300-1500

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	.4									3.0	3.9
NNE	1.2	.2	.2									2.2	3.7
NE	1.1	.6	.1									1.8	3.4
ENE	.6	.5										1.2	3.5
E	1.8	1.3	.5	.1								3.8	4.5
ESE	.6	.4	.2									1.3	4.3
SE	.6	1.5	.2									2.4	4.2
SSE	4.5	4.4	.4									9.4	3.7
S	2.7	7.4	1.6	.3								18.1	3.9
SSW	2.5	2.2	2.5	.8								7.8	6.0
SW	.6	1.6	1.8	1.0	.2							5.3	8.5
WSW	1.2	1.4	.8	2.3	.4							6.0	9.1
W	1.1	1.4	1.3	.6	.1							4.5	6.6
WNW	.6	.5	.9	.4								2.5	7.0
NW	1.2	.5	.5									2.3	3.9
NNW	1.1	.5										1.6	3.3
VARBL	1.4	.3	3.1	.5								5.4	7.1
CALM												21.6	
	30.3	26.7	14.6	6.0	.8							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATCLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

344 STATION HEIDELBERG AAF DL STATION NAME 69-70, 74-81 YEARS JAN MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.4									4.0	3.6
NNE	1.0	1.1	.1									2.2	3.5
NE	.8	.6	.1									1.5	3.7
ENE	1.1	.9	.3									2.3	4.0
E	.8	.6	.6	.2								2.3	5.7
ESE	.5	.8										1.3	3.6
SE	.8	1.3	.2									2.3	4.0
SSE	3.9	5.1	.6	.1								9.8	4.0
S	1.4	8.2	1.6	.2								15.6	4.1
SSW	1.8	3.1	2.2	.6								7.7	5.9
SW	1.5	1.6	1.8	1.2	.3							6.5	7.4
WSW	1.7	.6	.9	1.1	.4							4.7	7.6
W	1.4	1.3	2.2	1.2								6.0	6.9
WNW	.4	.1	.3	.2								1.1	6.0
NW	.0	.4	.1									1.5	3.1
NNW	1.1	1.1	.1									2.3	3.5
VARBL	1.4	.5	2.0	.5	.1							4.6	6.8
CALM												21.5	
	29.5	28.9	13.9	5.4	.9							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 45
STATION

HEIDELBERG AAF DL
STATION NAME

69-70, 74-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.4	.4									4.0	3.9
NNE	1.5	.5										2.0	2.9
NE	.5	.4	.2									1.2	4.0
ENE	.5	.3	.2	.1								1.2	4.9
E	1.2	1.7	.9									3.6	4.6
ESE	.4	1.3	.4									1.8	5.2
SE	1.1	.5	.5									2.3	4.2
SSE	3.7	3.8	.8									8.2	4.0
S	5.9	7.7	1.1									14.7	4.0
SSW	1.5	2.3	3.4	.5	.1							7.8	6.5
SW	.9	1.7	2.0	1.1	.1							6.0	7.2
WSW	1.3	1.5	1.7	1.2								5.7	7.2
W	1.7	1.8	1.7	1.2								6.5	6.7
WNW	1.3	.5	.4	.1								2.4	4.5
NW	.6	.4										1.1	3.0
NNW	1.1	.6	.1									1.8	3.3
VARBL	1.9	.9	2.7	1.0	.8	.1						7.3	8.0
CALM												22.3	
	27.3	27.5	16.7	5.2	1.0	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS JAN MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.2	.6									6.0	3.7
NNE	1.3	.3										1.6	2.5
NE	.4	.3	.1									.9	4.0
ENE	.9	1.0	.4	.1								2.4	5.0
E	.3	1.3	.4									2.0	5.4
ESE	.9	1.5	.8									3.1	4.8
SE	1.4	1.1	.4									2.9	4.0
SSE	2.9	3.2	.6									6.8	4.2
S	4.4	7.5	1.1	.1								13.1	4.3
SSW	2.6	3.8	3.2	.6								10.2	5.8
SW	.6	2.3	4.5	2.0	.3	.1						9.9	8.7
WSW	.5	1.2	2.7	1.6	.1							6.1	8.5
W	2.3	.8	1.5	1.6	.2							6.1	7.3
WNW	.8	.2	.6	.4	.2							2.3	7.3
NW	.8	.8	.2	.1								1.8	4.7
NNW	1.3	1.1	.3									2.7	4.1
VARBL	2.2	1.4	3.5	1.6	.3	.1						9.1	7.6
CALM												12.9	
	26.5	29.8	21.2	8.3	1.2	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS JA: MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.2	.2									5.3	3.6
NNE	1.5	1.4	.1									3.0	3.3
NE	1.0	.4	.4									1.8	3.9
ENE	1.1	.9	.3									2.3	4.0
E	1.2	1.2	1.2									3.5	5.5
ESE	.9	1.	.5	.1								2.5	4.8
SE	.9	1.9	.3									3.1	4.3
SSE	4.0	2.9	1.1									8.0	3.6
S	5.7	5.1	.9									11.6	3.8
SSW	1.5	2.9	3.5	1.0								8.9	6.8
SW	1.4	2.3	3.3	1.2	.8							8.7	8.2
WSW	.8	1.4	3.2	1.6	.1							7.1	8.2
W	1.9	1.4	1.3	1.2	.1							5.9	6.7
WNW	.6	.8	.3	.3	.2							2.3	6.8
NW	.4	.6	.4	.1								1.6	5.5
NNW	1.9	.4	.1									2.5	2.9
VARBL	3.4	.3	2.9	1.1	.1							7.8	6.2
CALM												14.1	
	31.1	26.8	20.2	6.6	1.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS JAN MONTH
1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	.8									4.5	4.1
NNE	1.4	.2	.2									1.8	3.1
NE	1.1	.8	.1									1.9	3.4
ENE	1.5	1.2	.2									2.9	3.8
E	1.5	1.4	.3	.1								3.3	4.3
ESE	.3	1.1	1.1									2.5	6.4
SE	1.2	1.6	.3									3.1	4.1
SSE	5.2	4.1	.4									9.7	3.6
S	6.8	5.2	1.3	.2								13.4	3.9
SSW	1.2	2.4	2.0	.8	.1							6.5	6.6
SW	.4	1.8	3.1	1.0	.2							6.6	8.1
WSW	.5	1.6	1.8	1.2	.2							5.4	8.1
W	1.5	1.3	1.4	.6		.1						4.9	6.8
WNW	.4	.8	.1	.4								1.7	6.7
NW	.9	.8										1.6	3.5
NNW	1.3	.2										1.5	2.6
VARBL	2.7	.5	2.8	.5	.3							6.2	6.2
CALM												22.4	
	28.9	26.9	16.0	4.8	.9	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

30 40 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS JAN MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1	.3									3.5	3.5
NNE	1.3	.9	.2									2.4	3.9
NE	.1	1.3	.2		.1							1.7	5.4
ENE	1.3	1.3	.2									2.8	3.9
E	1.4	1.5	.6	.1								3.7	4.5
ESE	.9	1.1	.9									2.6	5.4
SE	1.0	1.3	.2	.1								2.6	4.5
SSE	5.7	4.1	.6	.1								10.5	3.7
S	8.2	6.8	1.0	.1								14.1	3.9
SSW	1.7	2.3	2.2	.6								6.8	5.9
SW	1.1	1.3	3.1	.6	.4	.1						7.2	7.8
WSW	1.0	.6	1.9	1.5	.1							5.2	8.2
W	1.3	1.3	1.1	.9	.2							4.7	7.2
WNW	.5	.3	.6	.2								1.7	6.5
NW	1.1	.2	.3									1.6	3.7
NNW	.9	.5										1.4	2.8
VARBL	1.9	.6	1.8	.8	.1							5.3	6.4
CALM												22.0	
	29.5	27.0	15.4	5.1	1.0	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 4c STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS JAN MONTH ALL HOURS (L.S.T.)
STATION NAME CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	.4									4.1	3.8
NNE	1.3	.7	.1									2.1	3.3
NE	.7	.7	.2		.0							1.7	4.0
ENE	1.0	.9	.2	.0								2.1	4.2
E	1.2	1.3	.6	.1								3.2	4.8
ESE	.0	.9	.5	.0								2.1	5.0
SE	1.1	1.3	.3	.0								2.7	4.3
SSE	4.4	3.9	.6	.0								9.0	3.8
S	6.9	6.9	1.2	.1								15.0	4.0
SSW	1.9	2.6	2.6	.7	.0							7.9	6.2
SW	.9	1.0	2.7	1.2	.4	.1						7.0	8.1
WSW	1.0	1.3	1.8	1.5	.2	.0						5.7	8.0
W	1.6	1.3	1.5	1.0	.1	.0						5.6	6.9
WNW	.6	.4	.5	.3	.1							1.9	6.7
NW	.8	.6	.2	.0								1.6	4.0
NNW	1.3	.6	.1									2.0	3.3
VARBL	1.9	.6	2.7	.8	.2	.0						6.3	7.0
CALM												19.8	
	29.4	27.5	16.3	5.9	.9	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

345 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS FEB
STATION NAME MONTH
CLASS ALL WEATHER 0000-0200
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.0	1.3									7.5	4.2
NNE	1.0	1.5	.2									3.8	3.4
NE	1.1	1.4	.4									3.9	3.7
ENE	1.7	1.7	.5									3.8	4.0
E	.6	.2	.1	.4								3.2	5.3
ESE	1.7	.7	.9									3.0	4.8
SE	1.1	.2	.2									2.1	3.7
SSE	4.5	4.0	.6									9.1	3.8
S	4.5	5.3	.7									10.5	3.8
SSW	1.4	2.5	.9	.4		.1						5.7	5.7
SW	.4	.5	1.9	1.1		.1						3.9	9.1
WSW	.5	1.4	.7	.7	.1							3.4	7.3
W	1.2	1.5	.6	.2								3.6	4.8
WNW	.7	.1	.2									1.1	3.8
NW	.7	.1										.8	2.4
NNW	1.4	.7										2.1	2.7
VAPRL	1.3	.7	2.2	.7								5.0	7.0
CALM												28.5	
	23.8	27.3	11.6	3.4	.1	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

30 40 STATION HEIDELBERG AAF DL 69-70,74-81 YEARS FEB MONTH 1300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.3	.6									6.9	3.8
NNE	1.9	1.5										3.4	3.2
NE	1.8	2.2	.2									4.3	3.9
ENE	1.1	2.2	.2									3.5	4.4
E	.9	1.7	.8	.1								3.5	5.2
ESE	1.2	1.4	.2									2.8	4.0
SE	.7	.9	.1									1.8	4.1
SSE	4.7	3.8	.5									9.0	3.6
S	4.5	5.9	.9	.1								11.5	4.1
SSW	2.2	2.0	1.2	.4								5.8	5.0
SW	.6	1.4	1.9	1.2	.1	.1						5.3	8.2
WSW	.8	.5	1.2		.1	.1						2.7	7.2
W	.2	1.2	.2	.4	.1							4.1	4.6
WNW	.7	.5		.1								1.3	4.1
NW	.6	.1	.2									.9	4.3
NNW	.7	.7										1.4	3.5
VARBL	1.3	.6	2.7	.9								5.6	7.1
CALM												26.1	
	28.0	30.0	11.1	3.2	.4	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 4c STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS FEB MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.8	1.2									8.2	4.2
NNE	1.9	1.1	.1									3.1	3.0
NE	1.8	1.9	.1									3.8	3.6
ENE	.7	2.2	.9									3.7	5.2
E	.9	1.5	.5	.1								3.1	5.0
ESE	1.1	1.4	.1									2.6	4.2
SE	.9	1.2	.1									2.2	4.1
SSE	4.7	3.5	.6	.1								9.0	3.7
S	6.4	5.2	.9									12.5	3.8
SSW	.9	2.2	1.5	.2								5.0	6.0
SW	.4	1.5	2.4	.9								5.2	8.0
WSW	.4	1.1	1.2	.5	.1							3.2	7.7
W	1.8	.4	.7	.5	.1							3.4	5.7
WNW	.4	.2	.6	.2								1.4	7.0
NW	.6		.1									.7	3.3
NNW	1.1	.6	.2									1.9	3.6
VARBL	.3	.2	3.0	.5	.2		.1					4.8	8.6
CALM												26.2	
	27.9	27.9	14.3	3.1	.5		.1					100.5	3.7

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 4c STATION HEIDELBERG AAF DL STATION NAME 69-70,74-81 YEARS FEE NORTH
ALL WEATHER CLASS 900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.6	1.9									7.3	4.5
NNE	1.1	.8										1.9	3.4
NE	.8	1.1	.5									2.4	4.7
ENE	.7	1.7	.4	.2								3.0	5.4
E	.7	1.6	.8									3.3	5.0
ESE	1.1	.7	.1									1.9	3.8
SE	1.4	.6	.5									2.5	4.3
SSE	2.4	3.4	.5									6.6	4.3
S	6.6	7.8	1.2									14.6	4.0
SSW	2.5	1.5	2.5	.6								7.1	5.5
SW	1.1	1.1	2.7	.9								5.8	7.2
WSW	1.7	.6	1.9	.5								4.6	6.1
W	2.8	1.2	.9	.8								5.8	5.0
WNW	.8	1.1	.2									2.1	4.1
NW	.9	.5										1.4	3.5
NNW	.1	1.1	.4									3.6	3.4
VARBL	1.7	.4	4.9	.8								7.7	7.2
CALM												18.5	
	30.2	23.2	19.3	3.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 40 STATION HEIDELBERG AAF DL 69-70,74-81 YEARS FEB NORTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.5	2.5									9.0	4.9
NNE	1.7	1.1	.4									3.1	3.6
NE	.7	.4	.5									1.5	4.8
ENE	1.3	.9	.7									3.0	4.6
E	1.7	.8	.6	.4	.1							3.5	5.4
ESE	.8	2.1	.2									3.2	4.3
SE	.9	1.2	.4	.2								2.7	5.3
SSE	2.1	2.7	.6									5.4	4.2
S	3.8	4.3	1.2									9.2	4.3
SSW	2.1	2.4	2.7	.5								7.0	5.5
SW	.9	2.1	3.1	2.8	.1							9.1	8.4
WSW	1.8	1.5	2.5	.6								6.4	6.1
W	3.1	1.9	1.5	.9								7.4	5.4
WNW	1.5	.6	.6	.4								3.1	5.2
NW	.8	.7	.1	.1								1.8	4.0
NNW	2.8	1.6	.5	.1								5.2	3.7
VARBL	1.4	.6	5.9	1.2								9.1	7.5
CALM												10.3	
	30.5	23.6	23.2	7.2	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

69-70, 74-81
YEARS

FEB
MONTH
1500-1700
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	4.5	2.4									11.0	4.6
NNE	2.4	2.1	.6									5.1	3.7
NE	1.3	1.1	.4									2.7	4.0
ENE	.9	1.5	.8	.2								3.5	5.6
E	.1	2.2	.7									5.1	4.4
ESE	1.2	.7	.4									2.2	3.7
SE	1.3	1.3	.4									3.0	4.2
SSE	2.6	1.8	.4									4.7	3.6
S	5.9	3.5	1.2	.2								10.9	4.0
SSW	1.4	2.7	4.0	.2								8.4	6.3
SW	1.1	2.1	2.5	1.9								7.6	7.6
WSW	.9	1.8	2.0	.7								5.4	6.8
W	1.3	1.4	1.8	.5								5.0	6.2
WNW	.7	.1	.5	.1								1.4	5.4
NW	1.2	.5										1.7	2.8
NNW	2.0	1.9	.6									4.5	4.0
VARBL	1.3	.7	4.5	.6								7.1	7.0
CALM												10.8	
	31.8	30.0	22.9	4.5								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS FEB NORTH
1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	4.6	.9									10.2	3.9
NNE	2.2	1.8	.7	.2								5.0	4.1
NE	1.9	1.2	.1									3.2	3.3
ENE	1.9	1.1	1.2									4.1	4.4
E	3.3	1.7	1.2	.1								6.3	4.3
ESE	1.2	.5	.2									1.9	3.6
SE	1.3	.6	.4									2.2	3.8
SSE	5.4	2.6	.2									8.3	3.0
S	5.9	3.0	1.3	.2								10.4	3.9
SSW	1.1	1.4	2.4	.6								5.4	6.8
SW	1.2	1.4	1.9	.5								5.0	6.6
WSW	1.2	1.5	.8	.5								4.0	6.0
W	1.5	1.2	.6	.6								3.9	5.5
WNW	.5	.1	.2									.8	4.3
NW	.5	.5										.9	3.4
NNW	1.5	.6	.2									2.4	3.5
VARBL	1.2	.6	2.6	.8	.1							5.3	7.6
CALM												20.7	
	36.4	24.2	15.0	3.5	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

69-70, 74-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	4.0	.8									9.5	3.8
NNE	3.7	1.4	.6									5.0	3.6
NE	2.5	1.2	.1									3.8	3.1
ENE	1.4	1.2	.2									2.8	3.8
E	3.1	1.1	.8	.2								4.3	4.6
ESE	.7	1.5	.8									3.1	5.6
SE	.6	.6	.1									1.3	3.7
SSE	4.0	4.0	.2									8.3	3.7
S	5.9	4.9	.6									11.4	3.5
SSW	1.2	2.1	.8	.7								4.9	6.2
SW	.8	1.2	2.1	1.2								5.2	7.8
WSW	.7	.6	1.1	.6								3.0	7.4
W	1.4	.8	.4	.4								3.0	4.7
WNW	.7	.6	.1									.9	4.3
NW	.2											.2	2.0
NNW	.7	.7										1.4	3.1
VARBL	2.6	.8	2.7	.4								6.5	5.8
CALM												25.6	
	32.8	26.7	11.5	3.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 48 STATION HEIDELBERG AAF DL 69-70, 74-81 YEARS FEB MONTH ALL WEATHER CLASS ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.6	3.7	1.4									8.7	4.2
NNE	2.0	1.4	.3	.0								3.8	3.6
NE	1.6	1.3	.3									3.2	3.8
ENE	1.2	1.5	.6	.1								3.4	4.7
E	1.6	1.5	.7	.2	.7							3.9	4.8
ESE	1.1	1.1	.4									2.6	4.3
SE	1.0	.9	.3	.0								2.2	4.2
SSE	3.8	3.3	.4	.0								7.6	3.7
S	5.3	5.7	1.0	.1								11.4	3.9
SSW	1.6	2.2	1.9	.4		.0						6.1	5.9
SW	.8	1.4	2.3	1.3	.7	.3						5.9	7.9
WSW	1.0	1.1	1.4	.5	.0	.0						4.1	6.7
W	1.9	1.2	.8	.5	.0							4.5	5.3
WNW	.7	.4	.3	.1								1.5	4.9
NW	.7	.3	.1	.0								1.1	3.4
NNW	1.6	1.0	.2	.0								2.8	3.5
VARBL	1.4	.6	3.6	.7	.0	.0						6.4	7.2
CALM												20.8	
	30.9	27.9	16.1	4.0	.2	.1	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 6765

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS
MAP MONTH 0000-7200 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.2	.3									5.7	3.5
NNE	2.6	1.2	.4									4.2	3.5
NE	1.6	1.8	.1									3.6	3.9
ENE	.9	1.5	1.3	.2								3.9	5.9
E	.6	1.2	1.2	1.1								4.1	7.4
ESE	.8	.4	.6									1.8	5.0
SE	.6	.2	.4									1.3	5.0
SSE	3.7	3.2	.1									7.0	3.4
S	7.2	6.5	1.8									15.5	3.9
SSW	1.2	2.2	1.1	.4								4.8	5.5
SW	.3	2.0	1.8	1.8	.1							6.1	8.6
WSW	.3	.5	1.2	.8								2.8	8.3
W	1.2	.6	1.3	.3	.2							3.7	6.6
WNW	1.0	.8	.3									2.0	4.2
NW	.4	.4	.4									1.3	5.2
NNW	1.4	1.3	.3									3.0	3.9
VARBL	2.5	1.5	2.8	.3								7.1	5.5
CALM												22.1	
	29.5	27.6	15.6	5.0	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34046
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.0	.4	.1								7.4	3.7
NNE	1.7	1.0										2.7	3.1
NE	1.0	1.5	.4									2.9	4.9
ENE	.6	2.0	.4	.6								3.8	6.1
E	.9	1.5	1.2	.2								3.6	5.7
ESE	.5	.3	.3	.1								1.3	5.1
SE	.3	.4	.2	.3								1.3	6.1
SSE	4.1	2.8	.4									7.3	3.6
S	8.9	5.5	.5	.1								15.1	3.5
SSW	1.2	2.4	1.6	.6								5.8	6.0
SW	.6	1.8	1.9	2.2								6.6	6.5
WSW	.4	.4	.9	.6								2.4	7.6
W	.6	.9	.6	.9								3.0	7.4
WNW	.5	.6	.6	.2								2.0	6.2
NW	.8		.3									1.1	3.6
NNW	1.3	1.1	.4									2.8	4.0
VARBL	2.7	.6	1.9	.4								5.7	5.4
CALM												25.2	
	30.1	25.9	12.4	6.5								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS MAR NORTH
STATION NAME CLASS ALL WEATHER
CONDITION 6600-3800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.3	.5									6.9	3.8
NNE	1.4	.9	.1									2.4	3.5
NE	.9	1.2	.6									2.7	4.6
ENE	1.5	1.9	.3	.1								3.9	4.5
E	1.1	1.4	.8	.5								3.8	5.5
ESE	.5	1.1	.4									2.0	5.0
SE	.3	1.0	.2	.3								1.8	6.5
SSE	4.0	3.2	.4									7.6	3.3
S	3.5	5.7	1.0									15.2	3.4
SSW	1.9	2.3	1.6	.4								6.2	5.5
SW	.6	1.1	1.7	1.9	.2							5.5	9.3
WSW	.5	.8	1.0	1.1	.2							3.6	8.6
W	1.0	.3	1.1	.4	.1							3.3	6.4
WNW	1.5	.6	.3	.1								2.6	4.2
NW	.8	.2										1.0	2.8
NNW	1.3	1.3	.1									2.7	3.5
VARBL	2.3	.5	3.2	.4								6.5	6.2
CALM												22.4	
	31.1	27.1	13.5	5.4	.5							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34.40
STATION

HEIDELBERG AAF FL
STATION NAME

68-70,74-80
YEARS

MAP
MONTH

ALL WEATHEP
CLASS

1980-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.5	1.7	.2								7.7	5.7
NNE	1.1	1.1	.3	.1								2.5	4.3
NE	.8	.8	.1									1.6	3.9
ENE	.4	1.3	1.3	.2								3.2	6.3
E	.5	1.2	1.3									3.0	5.3
ESE	.5	1.7	.2									2.5	4.6
SE	.4	.6	.2									1.4	4.8
SSE	1.2	2.5	.8									4.4	4.5
S	5.2	5.3	1.7	.1								12.3	4.2
SSW	3.1	3.1	2.3	.5	.1							9.1	5.5
SW	1.5	1.2	3.2	2.6	.5							9.0	8.9
WSW	1.3	1.8	2.6	1.3	.3							7.3	7.4
W	1.9	1.5	1.6	1.2								6.2	6.5
WNW	1.3	1.1	.6	.6								3.5	5.2
NW	1.1	.1	.2									1.4	3.4
NNW	1.8	.5	.2	.1								2.7	3.6
VARBL	2.5	1.3	4.4	1.5	.2							9.9	7.2
CALM												12.2	
	26.9	28.5	22.8	8.5	1.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS
ALL WEATHER CLASS
CONDITION
MAC MONTH 1200-1400 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	1.4	.5								6.0	5.9
NNE	1.4	1.2	.4									3.0	4.1
NE	.1	.4	.2									.8	6.1
ENE	.2	2.1	1.1	.3								3.7	6.7
E	.2	1.1	1.5	.2								3.0	7.6
ESE	.3	2.1	.9	.1								3.3	5.8
SE	.6	1.1	.2									1.8	4.5
SSE	1.1	2.1	.3	.1								3.4	4.8
S	1.7	4.1	1.1	.2								7.1	5.0
SSW	1.7	2.1	1.3	.5	.1							5.7	6.0
SW	1.4	1.1	5.1	3.2	.2	.1						11.8	9.1
WSW	1.3	1.9	3.4	2.0	.5							9.2	8.6
W	3.1	2.6	3.0	2.5	.3	.2						11.7	7.4
WNW	1.4	.9	1.0	.5								3.8	5.9
NW	1.1	1.0	.8	.1								2.9	5.2
NNW	2.1	1.3	.4									4.3	4.0
VARBL	3.5	1.7	5.9	2.4	.1	.1						13.8	7.3
CALM												4.6	
	22.6	30.3	28.0	12.8	1.3	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

MAC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.9	1.8	.3								7.5	5.2
NNE	1.1	3.2	.6	.1								5.1	4.8
NE	.8	.4	.8	.2								2.4	5.7
ENE	.3	.3	.6	.5								1.8	8.0
E	.5	1.3	1.5	.2								4.3	6.0
ESE	.4	1.5	.8									2.7	5.3
SE	.9	1.8	.2									2.9	4.4
SSE	1.6	.3	.1									2.0	3.4
S	1.7	2.2	1.0									5.5	4.8
SSW	1.0	2.0	2.6	.6								6.2	6.7
SW	1.6	1.4	4.8	3.6	.4							11.8	8.8
WSW	1.6	1.3	4.1	3.2	.2	.3						11.3	9.0
W	2.2	2.4	2.7	1.8	.5	.1						9.6	7.7
WNW	1.0	1.1	1.3	.8								4.1	7.1
NW	.5	.9	.8	.1								2.3	5.7
NNW	1.1	2.3	.8	.1								4.2	4.8
VARBL	2.6	2.2	5.4	1.7								11.8	7.0
CALM												4.4	
	21.4	24.4	29.8	13.3	1.2	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

929

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34746
STATION

HEIDELBERG AAF DL
STATION NAME

62-70, 74-80
YEARS

MAP
NORTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	3.7	1.4									8.6	4.2
NNE	2.8	2.5	.5									5.8	3.7
NE	1.8	1.8	.6	.3								4.6	4.7
ENE	1.1	2.1	1.3	.1								4.5	5.2
E	.5	2.1	.9	.3								3.8	6.0
ESE	1.7	1.1	.2	.1								2.4	4.3
SE	.3	.5	.2									1.1	4.7
SSE	2.7	1.2	.1									4.0	3.2
S	4.8	3.2	.4									8.5	3.5
SSW	2.3	3.2	2.9	.8	.1							9.3	6.1
SW	.4	1.5	3.7	1.3	.2							6.5	8.6
WSW	1.7	1.7	2.4	1.4	.1							6.8	7.7
W	1.5	1.3	1.4	.9								5.1	6.7
WNW	1.7	.8	.8	.6								3.1	6.4
NW	.6	1.1	.8									2.4	5.1
NNW	.8	1.1	.2	.1								2.0	4.6
VARBL	2.4	.9	2.7	.4								6.4	5.7
CALM												15.3	
	22.5	29.6	19.8	6.4	.4							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

344 STATION HEIDELBERG AAF DL 62-73,74-80 YEARS MAP
STATION NAME ALL WEATHER MONTH 2100-2300
CLASS CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	3.7	.5	.1								8.1	3.8
NNE	3.2	2.5	.3	.1								6.1	3.7
NE	1.6	1.2	.5									3.3	4.2
ENE	.9	1.6	1.5	.3								4.3	6.4
E	1.1	.6	1.2	.5	.1							3.4	7.1
ESE	.3		.8									1.1	6.3
SE	.9	.8	.5									2.2	4.3
SSE	2.8	2.7	.4									5.9	3.6
S	5.7	4.6	1.6									11.9	4.0
SSW	1.2	1.4	2.2	1.1	.1							5.9	7.4
SW	.7	1.6	2.8	1.2	.1							6.0	8.3
WSW	.7	.6	1.7	.4	.1							3.2	7.7
W	1.7	.6	1.4	.2								3.5	5.6
WNW	.5	.9	.4									1.8	4.8
NW	.5	.2	.4									1.2	4.7
NNW	1.4	.5	.4									2.4	3.8
VARBL	2.8	.9	3.1	.6								7.4	5.9
CALM												22.2	
	23.5	24.4	19.9	4.6	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

30 46
STATION

HEIDELBERG AAF FL
STATION NAME

68-70,74-80
YEARS

MA
MONTHS

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.1	1.0	.2								7.2	4.4
NNE	1.9	1.7	.3	.0								4.0	3.9
NE	1.1	1.2	.4	.1								2.7	4.6
ENE	.7	1.6	1.0	.3								3.6	6.0
E	.7	1.4	1.2	.4	.0							3.6	6.3
ESE	.6	1.1	.5	.0								2.1	5.1
SE	.6	.8	.3	.1								1.7	5.0
SSE	2.6	2.2	.3	.0								5.2	3.7
S	5.5	4.7	1.1	.1								11.4	3.9
SSW	1.7	2.3	1.9	.6	.1							6.6	6.1
SW	.9	1.5	3.1	2.2	.2	.0						7.9	8.6
WSW	.6	1.2	2.2	1.4	.2	.0						5.8	8.3
W	1.6	1.3	1.6	1.0	.1	.0						5.6	7.0
WNW	1.0	.8	.7	.4								2.9	5.7
NW	.7	.5	.5	.0								1.7	4.7
NNW	1.4	1.2	.4	.0								3.0	4.1
VARBL	2.6	1.2	3.7	1.0	.0	.0						8.6	6.5
CALM												16.0	
	27.3	27.9	20.2	7.8	.7	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS APP MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	3.6	.7	.1								10.0	3.5
NNE	2.9	2.3	.7									5.9	3.9
NE	1.4	1.8	1.1									4.2	4.8
ENE	.9	1.4	1.7	1.2								5.2	7.6
E	.3	1.1	2.1	1.7	.4	.1						5.8	10.1
ESE	.1	.6	.3		.1							1.1	7.0
SE	.3	.8	.4	.1								1.7	5.7
SSE	2.3	1.5	.4									4.6	3.7
S	4.8	2.9	1.1									6.7	3.8
SSW	1.1	2.1	1.8	.3	.1							5.3	6.1
SW	.8	.3	1.1	.1	.1							2.9	6.3
WSW	.8	.8	.7	.1								2.3	5.3
W	1.0	1.3	.6	.1								3.0	5.2
WNW	.9	.4	.2									1.6	3.9
NW	.7											.7	2.3
NNW	1.6	1.1	.2									2.9	3.7
VARBL	2.7	.7	3.4	1.3	.1							8.2	6.8
CALM												25.9	
	29.3	23.4	16.4	5.1	.9	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.4	4.9	.8									11.7	3.6
NNE	2.4	1.3	.4									4.7	3.5
NE	1.3	2.8	.4									4.6	4.2
ENE	.6	1.6	1.0	.7								3.8	6.9
E	.4	.4	.7	.7								2.2	7.7
ESE	.2	.6	.4	.1								1.3	6.1
SE	.8	.7	.1									1.6	3.5
SSE	3.9	1.7	.2									5.8	2.9
S	5.6	3.8	.4									9.8	3.5
SSW	.6	1.3	1.7	.2								3.8	6.6
SW	.8	.6	1.4	.7	.1							3.6	7.8
WSW	.8	.7	.6	.4								2.4	6.1
W	1.7	2.1	.7									4.4	4.2
WNW	.9	.6	.2	.1								1.8	4.1
NW	.4	.9										1.3	4.2
NNW	1.4	1.9	.1									3.4	3.7
VARBL	2.3	1.3	2.9	.4	.2	.1						7.3	6.5
CALM												26.6	
	30.1	27.4	12.1	3.3	.3	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 APR
STATION NAME YEARS
CLASS ALL WEATHER
CONDITION

0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	7.0	1.2									12.7	4.2
NNE	1.4	1.0	.4	.1								3.8	4.1
NE	1.1	.9	.3	.2								2.6	4.7
ENE	1.0	1.1	.6	.4	.1							3.2	6.0
E	.6	.9	.8									2.2	5.2
ESE	.2	.2	.2									.7	5.7
SE	.2	.3	.1									.7	4.5
SSE	3.1	2.7	.2									6.0	3.7
S	4.3	4.3	1.2									9.9	3.9
SSW	1.4	1.7	1.4	.8								5.3	6.2
SW	1.0	.8	1.2	.6								3.6	6.5
WSW	1.3	1.2	.9	.7								4.1	6.0
W	2.8	1.9	.9	.1								5.7	4.0
WNW	.4	.3	.2									1.4	4.3
NW	.4	.8	.2									1.4	4.2
NNW	1.0	2.2	.2									3.4	4.4
VARBL	2.2	.7	4.1	.6	.1							7.7	6.6
CALM												25.6	
	27.1	29.3	14.3	3.4	.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 899

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 62-70,74-80 APP MONTH
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

0900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	6.1	2.2	.1								9.8	5.6
NNE	.8	1.4	.8									3.0	5.2
NE	.1	.4	.2									.8	5.4
ENE	.3	1.3	1.4	1.1								4.2	6.2
E	.3	1.1	.9	.1								2.3	6.7
ESE	.4	.5	.4									1.7	5.1
SE	.2	.4	.4									1.1	6.1
SSE	.2	1.4	.1									1.8	4.9
S	3.1	3.2	.7									7.0	4.1
SSW	1.9	3.5	1.9	.6								8.1	5.5
SW	1.2	1.4	2.9	2.1								7.7	8.4
WSW	1.1	1.3	2.1	2.6								8.0	7.7
W	.9	2.4	1.4	.7	.1							7.6	5.3
WNW	1.1	1.1	.1	.2								2.6	4.3
NW	.6	1.1	.1	.2								2.0	5.3
NNW	2.1	2.7	.6									4.7	4.2
VARBL	3.8	2.1	7.8	1.4	.1							15.1	6.6
CALM												12.5	
	22.6	31.5	24.1	9.1	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70,74-80 APP
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.2	1.8	.1								6.8	5.2
NNE	1.1	2.3	1.3									4.8	5.5
NE	.3	.9	.7									1.9	5.7
ENE	.3	.7	1.7	.8								3.4	8.3
E	.6	1.2	1.1	.8								3.7	7.5
ESE	.3	.7	.9									1.9	5.8
SE	.2	.8	.3									1.3	5.0
SSE	.2	2.3	.3									2.9	5.2
S	1.6	2.6	.7	.1								4.9	4.6
SSW	.9	1.9	1.0	.8								4.6	6.7
SW	.9	1.2	3.2	1.8								7.1	8.1
WSW	1.2	2.4	3.4	1.3	.2							8.7	7.7
W	1.9	3.1	1.6	1.7								8.5	6.6
WNW	1.3	2.0	.7	.3		.1						4.4	5.5
NW	.7	1.4	.3									2.4	4.5
NNW	.1	3.3	.8									6.2	4.3
VARBL	2.3	3.3	13.3	2.2	.2	.3						21.8	8.0
CALM												4.7	
	17.7	33.5	33.4	9.9	.4	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 899

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 40 STATION HEIDELBERG AAF DL STATION NAME 68-70,74-80 YEARS APR MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.6	1.1	.1								7.3	5.2
NNE	1.3	2.3	1.1									4.8	5.1
NE	.8	1.7	.9	.1								3.5	5.5
ENE	.6	1.	2.0	.6	.1							4.2	7.5
E	1.1	2.7	1.6	.6	.1							5.4	6.6
ESE	.1	1.1	1.0	.2								2.5	7.0
SE	.4	1.3	.2									2.0	4.4
SSE	.8	1.3	.3	.1								2.6	4.8
S	1.3	3.0	.8	.1								5.2	4.8
SSW	.3	1.7	1.7	.3								4.0	6.7
SW	1.2	1.1	2.2	1.2								5.6	7.4
WSW	1.1	1.9	2.7	2.1	.2	.1						8.1	8.5
W	1.2	2.6	1.7	2.0	.1							7.6	7.5
WNW	1.0	1.7	.8	.3	.1							3.9	5.5
NW	.7	2.3	.7									3.3	5.2
NNW	1.2	2.3	.7									4.2	4.8
VARBL	2.0	1.8	12.9	3.5	.4	.1						20.8	8.3
CALM												4.8	
	16.7	33.5	32.4	11.3	1.1	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

APP
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	5.1	1.7	.1								10.0	4.8
NNE	3.6	3.4	.8									7.8	3.9
NE	1.6	2.3	.4									4.3	4.2
ENE	1.6	1.9	1.4	.2	.1							5.2	5.8
E	1.3	3.3	2.2	.6	.1							7.6	6.4
ESE	.6	1.1	.2	.1								1.9	4.9
SE	.8	1.1	.1									2.0	4.3
SSE	1.2	1.0	.2									2.4	3.8
S	3.1	2.1	1.0	.3								6.6	4.5
SSW	1.4	2.4	1.6	.4								5.9	5.8
SW	.9	1.7	1.4	.3								4.3	6.0
WSW	.3	1.6	1.8	.7								4.3	7.4
W	1.6	1.6	1.2	.8								5.1	5.9
WNW	.8	1.1	.7	.1								2.7	5.2
NW	1.3	.9	.3	.1								2.7	4.3
NNW	1.3	1.8	.8									3.9	4.9
VARBL	1.7	.3	6.4	1.3								9.8	7.8
CALM												13.6	
	26.1	32.7	22.3	5.1	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40 STATION HEIDELBERG AAF DL 62-70,74-80 YEARS APR MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.1	4.8	1.2									11.1	3.9
NNE	4.2	1.1	.3	.1								5.8	3.2
NE	2.6	2.9	.6	.1								6.1	4.2
ENE	1.3	2.3	1.3	.8								5.5	6.1
E	1.1	1.3	1.7	1.4	.3							5.9	8.2
ESE	.4	.3	1.1	.4								2.3	7.5
SE	.4	.3	.4	.1								1.3	5.5
SSE	2.4	1.6	.6	.1								4.7	3.7
S	3.7	3.6	.7									7.9	4.0
SSW	1.3	1.2	1.1									3.7	4.9
SW	.4	1.7	.8	.3								2.6	6.6
WSW	.1	1.7	1.4	.1								3.3	6.6
W	1.1	1.8	.6									3.5	4.5
WNW	.8	.4	.3									1.6	4.1
NW	.8	.4	.1									1.3	3.0
NNW	2.7	1.6	.8									4.3	4.1
VARBL	2.0		3.0	1.2	.6							6.8	7.9
CALM												22.3	
	30.0	26.1	16.0	4.8	.9							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 4c STATION HEIDELBERG AAF OL 68-70, 74-80 APR MONTH
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.9	1.3	.1								9.9	4.4
NNE	2.2	2.1	.7	.0								5.1	4.2
NE	1.2	1.7	.6	.1								3.5	4.6
ENE	.9	1.4	1.4	.7	.0							4.4	7.0
E	.7	1.4	1.4	.7	.1	.0						4.4	7.5
ESE	.3	.7	.6	.1	.0							1.7	6.2
SE	.4	.7	.3	.0								1.5	4.8
SSE	1.8	1.7	.3	.0								3.8	3.9
S	3.4	3.2	.8	.1								7.5	4.0
SSW	1.1	2.7	1.5	.4	.0							5.1	6.0
SW	.9	1.1	1.8	.9	.0							4.7	7.4
WSW	1.0	1.4	1.7	1.0	.1	.0						5.2	7.3
W	.8	2.1	1.1	.7	.0							5.7	5.6
WNW	.9	1.0	.4	.1	.0	.0						2.5	4.8
NW	.7	.9	.2	.0								1.9	4.4
NNW	1.6	2.0	.5									4.1	4.3
VARBL	2.4	1.3	6.7	1.5	.2	.1						12.2	7.5
CALM												17.0	
	24.8	29.7	21.4	6.5	.5	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 7189

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3046 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS MAY MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.8	.6									8.0	3.8
NNE	1.6	1.4	.2									3.2	3.6
NE	2.4	2.2	.2	.1								4.8	3.8
ENE	1.6	1.3	1.4	.6								4.9	6.0
E	1.3	1.1	1.4	1.4	.1							5.2	7.6
ESE	.9	.9	.5	.1								2.4	5.2
SE	.9	.4	.6									1.9	4.8
SSE	5.5	1.6										7.1	2.5
S	5.4	2.7	.2									3.3	3.1
SSW	1.2	1.6	.8									3.5	4.8
SW	.5	.9	.4									1.8	5.1
WSW	.9	.9	.9	.2								2.8	5.8
W	1.4	.9	.1		.1							2.5	4.2
WNW	.5	1.2	.2									1.7	4.8
NW	.5	.4										1.0	3.3
NNW	2.5	1.1										3.4	2.8
VARBL	3.9	1.1	2.6	1.2								8.7	5.8
CALM												23.7	
	34.4	22.3	10.2	3.7	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS MAY MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	3.2	.4									8.9	3.2
NNE	1.9	1.5	.1									3.5	3.3
NE	1.6	1.8		.1								2.9	4.3
ENE	.8	1.5	.4	.1								2.8	5.0
E	.2	1.1	.5	.3								2.0	6.9
ESE	.4	.5	.2	.2								1.4	6.1
SE	.5	.4	.1									1.1	4.1
SSE	5.5	1.9	.1									7.5	2.6
S	6.9	2.9	.1									9.9	2.8
SSW	1.7	1.4	.6	.2								4.0	4.5
SW	.6	1.1	1.7	.1								2.8	5.7
WSW	.8	1.										1.7	3.6
W	1.9	.5	.1									2.6	2.8
WNW	1.7	.2	.2									2.0	4.1
NW	1.1	.5	.2									1.6	3.2
NNW	1.4	1.6	.2	.1								3.3	4.0
VARBL	3.3	1.1	2.7	1.2								8.3	5.9
CALM												33.3	
	34.5	22.7	7.1	2.4								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34-46 STATION HEIDELBERG AAF DL 68-70, 74-80 MAY
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1600-2800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.7	.9									8.0	4.1
NNE	1.2	1.2	.3									2.7	4.0
NE	1.3	1.4	.4									3.1	4.1
ENE	1.3	1.6	1.1									3.7	5.2
E	.4	.8	.3									1.3	5.4
ESE	.1	.5	.2	.2								1.1	7.2
SE	.4	.1										.5	3.0
SSE	2.9	1.8	.1									4.8	3.1
S	7.8	5.5	.1									13.4	3.2
SSW	2.5	2.7	1.0	.3								6.5	4.7
SW	.8	.5	1.2									2.5	5.9
WSW	1.3	1.1	.5	.1								3.0	4.6
W	2.3	2.3	.6	.1								5.3	4.3
WNW	.9	.3	.1									1.3	3.3
NW	.5	.4										1.0	3.0
NNW	1.7	1.6	.4									3.8	4.0
VARBL	3.9	1.2	4.1	.9	.1							10.1	5.7
CALM												28.1	
	32.4	26.5	11.4	1.6	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE V

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	
N	2.7	2.9	1.6									5
NNE	1.1	.6	.2									1
NE	.3	.5	.2									1
ENE	.4	1.7	1.1	.1		.1						4
E	.6	1.5	.8	.5								4
ESE	.5	1.3	.4	.1								3
SE	.9	.5	.6									3
SSE	.9	1.9	.1									3
S	4.5	4.7	.8									17
SSW	3.1	4.7	1.3	.3								6
SW	1.9	1.5	2.6	.9								6
WSW	1.9	.9	.6	.4								3
W	.9	2.5	.5	.8	.1							6
WNW	1.7	.5	.1	.1								2
NW	1.3	.3	.4									2
NNW	1.3	2.7	.9	.1								4
VARBL	7.2	2.5	9.7	2.8	.1							22
CALM												10
	22.2	30.7	21.3	6.1	.2	.1						100

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS MAY MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.4	1.5									7.7	4.4
NNE	1.3	1.4	.4	.1								3.2	4.8
NE	1.2	.6	.4									2.3	4.2
NNE	.2	1.7	.8	.1								2.8	5.8
E	.5	1.8	.8	.4								3.2	6.6
ESE	.3	2.1	.5	.1								3.0	5.6
SE	.3	1.1	.4									2.6	5.4
SSE	.7	2.1	.3									3.2	4.4
S	1.7	2.4	.3									4.4	4.2
SSW	1.8	1.8	.5									4.2	4.1
SW	1.8	2.9	2.4	1.3	.1							8.5	7.0
WSW	1.3	2.1	1.2	1.5								6.8	6.9
W	2.3	2.3	1.3	1.5								7.3	6.6
WNW	1.3	2.1	.5									3.9	4.6
NW	.9	1.5	.1									2.5	4.2
NNW	1.6	2.3	.6									4.5	4.7
VARBL	5.6	2.9	13.5	4.0								25.9	7.3
CALM												4.0	
	25.8	35.4	25.7	9.0	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 93

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3046 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS MAY
1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.9	1.3									8.2	4.3
NNE	1.7	2.3	1.8									5.8	5.1
NE	.5	1.2	.3	.1								2.2	5.1
ENE	.8	1.6	1.1	.3								3.8	6.1
E	.5	2.7	.6	.6								4.7	6.2
ESE	.6	2.2	.9	.4								4.1	6.7
SE	.4	2.7	.4									2.9	4.9
SSE	1.2	1.7	.4									3.5	4.5
S	3.7	2.7	.6									5.4	4.1
SSW	1.7	3.2	.8	.4								5.4	5.4
SW	.5	1.9	1.3	1.3								5.1	7.8
WSW	.4	1.	1.9	1.2								5.4	7.9
W	1.1	2.2	1.1	.6	.1							4.9	6.5
WNW	1.2	1.1	.3	.1								2.7	4.5
NW	.5	1.1	.8									2.5	5.0
NNW	1.1	3.7	.8									4.8	5.1
VARBL	4.5	3.1	12.8	3.4								23.8	7.3
CALM												4.9	
	21.4	37.7	27.2	8.6	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3446
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.1	1.0	.1								9.5	4.1
NNE	3.4	3.7	1.2									8.3	4.2
NE	1.9	1.3	.5									3.8	3.9
ENE	1.2	2.7	1.7	.6								5.6	6.3
E	1.1	3.4	2.2	.8								7.4	6.2
ESE	1.3	1.7	.6	.1								3.8	4.7
SE	1.2	1.2	.2									2.6	4.1
SSE	1.5	.9										2.4	2.9
S	4.9	2.1	.2									7.2	3.1
SSW	1.8	1.2	.6									3.7	4.2
SW	.6	2.5	2.2	.4								5.8	6.4
WSW	.3	1.7	2.4	.2								5.1	6.4
W	1.6	1.7	1.4	.5								5.3	5.9
WNW	1.2	1.3	1.0	.1								3.5	5.1
NW	.9	.5	.3									1.7	4.1
NNW	2.0	1.9	.2									4.2	3.7
VARBL	1.8	1.9	4.4	.8								8.9	6.7
CALM												11.4	
	31.8	33.0	20.1	3.7								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	3.8	.5									9.1	3.6
NNE	3.4	1.6	.6									5.7	3.4
NE	2.4	2.6	.2									5.2	3.7
ENE	2.2	3.2	1.8	.5								7.7	5.7
E	1.3	1.2	2.4	1.0								5.8	7.1
ESE	1.1	.8	.2	.2								2.3	4.9
SE	.8	.1	.5									1.4	4.3
SSE	3.3	1.										4.3	2.4
S	5.3	2.1	.3									7.6	3.0
SSW	1.6	1.7	.8	.2								4.3	4.6
SW	.6	1.1	1.3	.1								3.1	5.5
WSW	.6	.9	.4									1.9	4.8
W	.8	1.2	.8	.2								2.9	5.8
WNW	.6	.5	.5									1.7	4.7
NW	.6	.4										1.1	3.4
NNW	1.4	.3	.1									1.8	2.7
VARBL	2.4	.3	2.0	1.2	.2							6.1	6.9
CALM												27.8	
	33.2	22.7	12.6	3.4	.2							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 48 STATION HEIDELBERG AAF DL 68-70, 74-80 MAY
STATION NAME YEARS
ALL WEATHER CLASS
ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.6	.9	.0								8.2	4.0
NNE	2.0	1.7	.6	.0								4.3	4.1
NE	1.4	1.5	.3	.0								3.2	4.1
ENE	1.0	1.3	1.2	.3		.0						4.3	5.8
E	.8	1.6	1.1	.6	.0							4.1	6.7
ESE	.7	1.2	.5	.2								2.5	5.5
SE	.7	.8	.4									1.9	4.7
SSE	2.7	1.6	.1									4.5	3.1
S	4.3	3.1	.3									6.3	3.3
SSW	1.8	2.2	.8	.2								5.0	4.7
SW	1.0	1.5	1.5	.5	.0							4.6	6.5
WSW	1.0	1.4	1.0	.5								3.8	6.1
W	1.8	1.7	.7	.5	.0							4.7	5.4
WNW	1.0	1.0	.4	.0								2.4	4.4
NW	.8	.7	.2									1.7	3.9
NNW	1.6	1.7	.4	.0								3.8	4.1
VARBL	4.1	1.7	6.5	1.9	.1							14.3	6.7
CALM												18.5	
	30.7	28.8	16.9	4.8	.1	.0						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 7446

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3446
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-7200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.9	2.8	1.0									8.7	3.7
NNE	3.2	.5										4.0	2.5
NE	1.2	1.1	.2									2.6	3.8
ENE	.6	.8	1.1	.7								3.1	7.3
E	.9	.4	1.4	2.3								5.4	8.9
ESE	.3	.3	.6	.2								1.4	6.5
SE	.6	.1	.1									.8	3.7
SSE	4.2	2.0	.2									6.4	3.0
S	1.8	4.3	.2									13.3	3.0
SSW	2.3	1.3	.1									4.2	3.3
SW	.6	1.3	1.0		.1							3.0	5.6
WSW	.4	.9										1.3	3.9
W	1.9	.4	.1									2.4	2.6
WNW	.7	.7										1.3	3.3
NW	.4	.4										.9	3.8
NNW	1.2	1.0	.1									2.3	3.5
VARBL	3.2	.4	1.2	.4								5.3	4.4
CALM												33.3	
	35.4	20.0	7.4	3.7	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS MONTH JUN
STATION NAME CLASS 1300-1500
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.4	1.1	.1								8.6	4.2
NNE	2.4	.6										3.0	2.4
NE	1.2	1.1	.2									2.4	3.5
ENE	.8	1.1	.7	.1								2.7	5.0
E	.3	.4	.6	.6								1.9	7.7
ESE	.1		.2	.1								.4	8.3
SE	.4	.2	.1									.8	3.3
SSE	.2	1.9										7.1	2.7
S	1.3	5.7										15.6	2.9
SSW	.7	2.2	.6									5.4	3.9
SW	1.7	1.3	.2									3.2	3.7
WSW	.7	.2	.1									1.3	3.8
W	1.3	.2										2.0	2.7
WNW	.8	.4										1.2	2.9
W	.4	.3	.2									1.0	4.3
NNW	1.9	1.3	.1									3.3	3.3
VARBL	2.4	1.9	.6	.1								4.9	3.8
CALM												35.1	
	35.8	23.6	4.6	1.0								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 920

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS JUN MONTH
0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	5.3	1.6	.1								9.0	4.9
NNE	2.0	.3	.2									2.6	2.9
NE	1.1	.9	.2									2.2	3.8
ENE	.4	1.6	.1									2.1	4.6
E	.3	.4	.9	.1								1.8	6.3
ESE	.1	.1	.4									.7	6.8
SE	.3	.2	.1									.7	3.6
SSE	2.7	1.1										3.8	2.9
S	2.3	7.4	.8									17.6	3.4
SSW	4.9	4.2	1.1									10.8	3.9
SW	1.7	2.1	1.0	.1								4.9	4.9
WSW	2.3	.0	.6									3.8	3.9
W	.3	1.1	.3									3.8	3.2
WNW	1.2	.4	.2									1.7	3.9
NW	.4	.6										1.0	3.6
NNW	2.3	1.1	.1	.1								3.7	3.2
VARBL	2.6	.7	1.4									4.7	4.3
CALM												25.4	
	35.9	29.1	9.1	.4								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS JUN 1900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.9	2.3	.2								8.6	5.2
NNE	.8	1.3	.8									2.6	4.7
NE	.7	.7	.1									1.4	3.6
ENE	.6	.3	.2	.2								1.3	5.4
E	.2	1.4	.8	.3								2.8	6.5
ESE		1.3	.6	.1								2.0	6.7
SE	.6	.6	.2									1.3	4.6
SSE	.8	1.1	.1									2.0	4.1
S	4.7	2.6	.4									7.0	3.4
SSW	3.2	2.6	1.1	.1								7.0	4.3
SW	2.1	3.9	2.7	.4								9.1	5.6
WSW	3.2	3.7	1.9									8.8	4.7
W	3.2	2.8	1.9	.3								8.2	4.7
WNW	1.9	.8	1.1	.1								3.8	4.7
NW	.6	.9										1.4	3.7
NNW	.9	3.0	.6									4.4	4.8
VARBL	6.1	3.3	7.9	1.7								19.0	6.0
CALM												9.2	
	30.8	33.8	22.7	3.6								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.7	2.4	.2								8.2	6.0
NNE	1.7	2.1	.9									4.6	4.6
NE	.7	.9	.3									1.9	4.6
ENE	1.3	2.1	.9	.1								4.3	4.9
E	.3	1.1	.4	.2								2.1	6.5
ESE	.9	1.3	.4	.3								3.0	5.6
SE		.7	.1									.8	6.0
SSE	.7	.7										1.3	3.5
S	.3	2.1	.6									5.0	3.8
SSW	1.9	2.3	1.2	.1								5.6	5.0
SW	.7	1.9	1.9	.7								5.1	6.7
WSW	1.8	3.6	3.6	.3								9.2	6.0
W	2.8	3.8	2.7	.4								9.7	5.5
WNW	1.6	2.4	.6									4.6	4.3
NW	.4	1.4	.2									2.1	4.5
NNW	2.4	2.9	.8									6.1	4.3
VARBL	3.9	3.7	13.9	2.0								23.4	7.2
CALM												3.0	
	24.2	37.4	30.9	4.4								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

900

USAFETAC

FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 HEIDELBERG AAF DL 68-70,74-80 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.2	1.8									7.8	5.2
NNE	1.2	3.7	.9	.1								5.9	5.2
NE	1.6	1.3	.6	.2								3.7	4.8
ENE	.9	1.1	1.4	.1								3.6	5.6
E	.7	2.1	1.4	.3								4.4	6.5
ESE	.4	1.3	.2									2.0	5.2
SE	.6	.8	.2	.2								1.8	5.5
SSE	.9	.6										1.4	3.1
S	2.4	1.9	.7									5.0	3.9
SSW	.9	1.8	.8	.1								3.6	5.3
SW	.7	2.7	1.0	.6								4.9	6.3
WSW	2.7	3.1	2.6	.2								7.9	5.5
W	3.1	4.2	1.9	.8								9.9	5.5
WNW	.8	2.4	1.0	.3								4.6	5.9
NW	.6	1.4	.8									2.8	5.4
NNW	1.3	2.6	.9	.1								4.9	5.3
VARBL	3.6	3.3	11.8	2.9								21.6	7.3
CALM												4.4	
	22.7	39.0	27.9	6.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS JUN MONTH 1900-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.3	5.4	1.9	.3								11.0	4.9
NNE	2.9	4.6	.4									7.9	4.1
NE	1.7	1.9	.6									4.1	4.2
ENE	1.7	2.2	1.1									5.0	5.0
E	1.2	2.7	2.0	.2								6.1	6.0
ESE	.9	.2	.6	.1								2.3	5.0
SE	1.1	.4	.2	.1								1.9	4.1
SSE	1.2	.7	.1									2.0	3.2
S	3.6	2.9	.7									7.1	3.5
SSW	2.6	1.3	.8	.1								4.8	4.2
SW	1.4	1.6	1.0									4.2	4.9
WSW	2.4	2.6	2.0	.3								7.3	5.1
W	1.9	2.1	1.0	.1								5.0	4.7
WNW	2.1	1.4	.7	.2								4.3	4.7
NW	1.7	.2	.4	.1								2.3	4.7
NNW	1.8	1.4	.1									3.3	3.5
VARBL	1.8	1.2	6.1	.6								9.7	6.8
CALM												11.6	
	32.4	34.1	19.7	2.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WIND

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

30 48 STATION HEIDELBERG AAF DL 68-70, 74-80 JUL 1980-23
STATION NAME YEARS MONTH HOURS (L.S.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME WI SPI
N	5.3	3.3	.6									9.4	3
NNE	5.1	1.9	.1									7.1	2
NE	3.3	1.6		.1								4.7	3
ENE	2.2	2.7	1.1	.4								6.4	4
E	.9	.8	1.1	1.1	.1							5.0	8
ESE	.2	.4	.3									1.0	5
SE	.6	.2										.8	2
SSE	3.4	1.9										5.2	3
S	6.3	2.7	.1									9.6	3
SSW	1.8	1.4	.3									3.6	3
SW	.9	.9	.9									2.7	4
WSW	1.1	.9	.3									2.2	4
W	.8	.7	.1									1.6	3
WNW	.9	1.1	.2	.1								2.3	4
NW	.6	.6	.1									1.2	4
NNW	1.1	.8										1.9	3
VARBL	2.8	.4	1.3	.4								5.1	4
CALM												31.3	
	37.3	22.1	6.9	2.2	.1							100.0	2

TOTAL NUMBER OF OBSERVATIONS 9

AD-A110 049

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81

UNCLASSIFIED

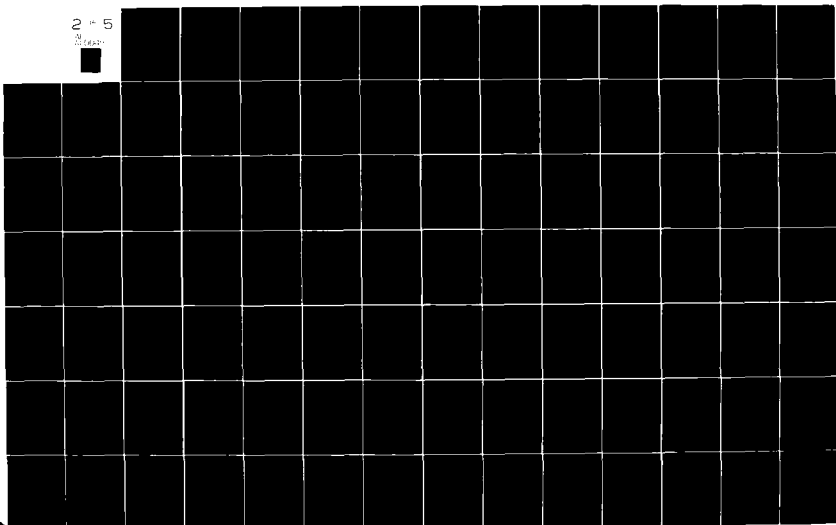
USAFETAC/DS-81/090

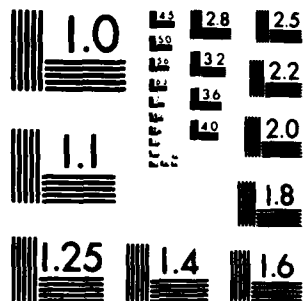
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 HEIDELBERG AAF DL 68-70, 74-80 JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.3	1.6	.1								8.9	4.7
NNE	2.4	1.9	.4	.0								4.7	3.7
NE	1.4	1.2	.3	.0								2.9	3.9
ENE	1.1	1.5	.8	.2								3.6	5.2
E	.6	1.2	1.1	.7	.0							3.6	7.1
ESE	.4	.7	.4	.1								1.6	5.8
SE	.5	.4	.1	.0								1.1	4.4
SSE	2.4	1.2	.1									3.7	3.1
S	5.9	3.6	.4									10.0	3.3
SSW	2.5	2.3	.7	.1								5.6	4.1
SW	1.2	2.0	1.2	.2	.0							4.6	5.5
WSW	1.7	2.1	1.4	.1								5.2	5.1
W	2.2	2.7	1.0	.2								5.3	4.7
WNW	1.2	1.2	.5	.1								3.0	4.6
NW	.6	.8	.2	.0								1.6	4.4
NNW	1.6	1.8	.3	.0								3.7	4.1
VARBL	3.3	1.9	5.5	1.0								11.7	6.3
CALM												19.2	
	31.8	29.9	16.1	2.9	.0							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS JUL MONTH
0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.4	1.7										5.2	2.8
NNE	1.4	1.3	.1									2.8	3.6
NE	.6	1.6	.1									2.4	4.2
ENE	1.1	.9	.1		.1							2.2	4.0
E	.4	1.1	1.2	.2	.1							3.0	7.0
ESE	.6	.6		.1								1.4	4.4
SE	.9	.8	.2									1.8	3.6
SSE	4.9	.5	.1									5.6	2.3
S	9.1	2.4	.1									11.6	2.5
SSW	2.6	1.7	.1									4.4	3.3
SW	1.9	1.5	.4	.2								4.1	4.1
WSW	1.2	.8	.1	.1								2.2	3.8
W	1.0	.6	.2									1.8	3.6
WNW	.3	.4	.2									1.0	4.8
NW	.3	.2	.1									.6	4.2
NNW	1.7	.8										2.5	2.7
VARBL	2.3	.5	1.3	.5								4.6	5.3
CALM												42.9	
	33.9	17.4	4.4	1.2	.2							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34.46 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS JUL NORTH
0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	1.3	.1									5.1	2.8
NNE	1.7	.5										2.3	2.5
NE	1.6	1.0										2.6	3.0
ENE	.8	.6	.3									1.7	4.2
E	.6	.1	.2									1.0	4.2
ESE	.3	.3	.3									1.0	5.0
SE	.6	.2										.9	2.4
SSE	5.2	1.6										6.8	2.6
S	11.1	3.4	.1									14.6	2.5
SSW	2.2	1.2	.1									3.4	3.1
SW	.4	1.2	.8									2.4	5.5
WSW	1.2	.4	.4	.1								2.2	4.7
W	1.8	.5	.4									2.8	3.4
WNW	1.7	.8	.4									2.2	4.6
NW	.2	.6	.1	.1								1.1	4.7
NNW	1.5	1.2	.1									2.8	3.3
VARBL	2.5	.4	.6	.2								3.8	4.2
CALM												43.7	
	36.3	15.5	4.1	.4								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS JUL
STATION NAME CLASS MONTH
0600-0800
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.1	.2									6.1	3.7
NNE	1.6	1.3										2.9	3.1
NE	1.1	.9										1.9	3.6
ENE	.6	.1										.8	2.1
E	.5	.3										.9	3.4
ESE	.5	.2	.2									1.0	4.7
SE	.4	.1	.2									.8	4.1
SSE	4.2	.9										5.1	2.4
S	11.9	5.9	.4									18.2	3.1
SSW	3.8	2.7	.8									7.2	3.7
SW	1.7	2.4	1.1									5.2	4.8
WSW	1.2	1.0	.6									2.8	4.2
W	2.6	1.6	1.0									5.2	4.2
WNW	1.1	.1		.1								1.3	2.8
NW	.4	.2										.6	3.7
NNW	.8	1.3	.3									2.4	4.3
VARBL	3.7	.8	1.3	.2								5.9	3.9
CALM												31.8	
	39.0	22.7	6.1	.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34046
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.4	.5									7.3	4.5
NNE	.6	.4	.1									1.2	3.9
NE	.1	.1										.2	3.5
ENE	.3	.3	.1									.8	4.3
E	.6	1.1	.1									1.7	4.3
ESE	.5	1.6	.4									2.6	5.0
SE	.4	.9	.3									1.6	4.7
SSE	2.7	1.4	.1									4.2	3.3
S	4.7	4.3	.4									9.5	3.6
SSW	2.8	3.8	1.0									7.5	4.2
SW	1.7	4.2	1.8	.3								8.1	5.4
WSW	2.3	3.1	2.7	.5								8.5	5.8
W	2.6	2.4	2.3	.6	.1							8.0	5.9
WNW	.8	1.2	.8									2.7	5.3
NW	1.4	1.2										2.6	3.3
NNW	1.8	3.1	.5									5.5	4.3
VARBL	8.0	2.5	6.2	.9								17.5	5.2
CALM												10.5	
	33.8	35.7	17.4	2.4	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34046 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS JUL MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.5	1.0									5.9	4.9
NNE	1.1	2.2	.3									3.5	4.5
NE	.4	.8										1.2	4.1
ENE	.6	.4	.3									1.4	4.6
E	.8	.9	.3									1.9	4.7
ESE	1.0	1.5	.8	.1								3.3	4.9
SE	.4	1.0	.8	.1								2.3	5.6
SSE	1.4	1.3	.1									2.8	3.5
S	1.6	2.6	.2									4.4	3.9
SSW	1.7	2.5	1.4									5.6	4.9
SW	.5	3.0	2.3	.5								6.3	6.4
WSW	1.7	3.5	4.1	1.3								10.6	6.9
W	2.3	4.4	3.0	.3								10.0	5.7
WNW	1.9	2.3	.4	.2								4.8	4.6
NW	1.6	1.8	.1									3.5	4.0
NNW	1.8	3.9	.5									6.2	4.4
VARBL	5.9	3.4	11.5	2.6								23.4	6.7
CALM												2.6	
	26.2	38.9	27.1	5.2								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS JUL NORTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.5	1.2									7.4	5.1
NNE	1.7	3.9	1.4	.1								7.1	5.2
NE	.9	1.1	.2									2.2	4.0
ENE	.9	1.2	.2									2.3	4.5
E	.6	.8	.5									1.9	4.9
ESE	.3	1.6	.9									2.8	5.5
SE	.4	1.1	.6									2.2	5.2
SSE	.4	.6	.4									1.5	4.9
S	2.3	1.6	.2	.1								4.2	3.9
SSW	1.6	2.9	1.4									5.9	4.9
SW	1.0	1.6	3.0	.1								5.7	6.4
WSW	1.7	4.1	3.2	.8								9.8	6.3
W	1.3	4.9	5.3	.9	.1							12.5	6.8
WNW	1.6	2.0	1.2									4.8	5.0
NW	.9	1.1	.8									2.7	5.4
NNW	1.3	3.1	.3									4.6	4.7
VARBL	4.8	2.6	8.2	2.4								18.0	6.9
CALM												4.5	
	23.4	38.6	29.0	4.3	.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS JUL MONTH
1800-2000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.4	4.6	.9									7.8	4.3
NNE	4.6	3.8	1.0									9.4	4.0
NE	1.6	1.8	.1	.1								3.7	3.9
ENE	.6	.3	.2	.1								1.3	4.6
E	.8	2.8	.8									4.3	5.1
ESE	.5	1.8	.2									2.6	4.7
SE	.5	.4	.1									1.1	3.9
SSE	1.7	.8	.1									2.6	3.2
S	3.7	1.4	.1									5.2	3.0
SSW	3.7	1.3	.6									5.6	3.4
SW	1.7	2.3	.5									4.5	4.2
WSW	2.3	2.5	1.6	.3								6.7	5.3
W	2.2	3.8	3.5	.8								10.2	6.0
WNW	1.4	2.2	1.5		.1							5.2	5.6
NW	1.0	1.3										2.3	3.9
NNW	.9	1.4	.1									2.4	4.0
VARBL	3.2	.9	3.4	1.1	.1							8.7	6.2
CALM												16.7	
	32.7	33.2	14.8	2.4	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION 34 46 HEIDELBERG AAF DL 68-70,74-80 YEARS JUL NORTH
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	3.2	.1									7.1	3.3
NNE	4.4	1.3	.1	.1								5.9	2.9
NE	2.8	1.0	.2									4.0	2.9
ENE	2.6	1.0	.3	.1								4.0	3.7
E	.9	.9	1.0	.1								2.8	5.8
ESE	.5	1.1										1.6	3.9
SE	1.1	.2	.1									1.4	3.0
SSE	4.2	.4										4.6	2.4
S	7.2	1.3										8.5	2.4
SSW	1.9	1.5	.1									3.5	3.3
SW	.8	1.2	.4	.2								2.6	5.3
WSW	1.4	1.5	.2	.1								3.2	4.0
W	1.5	1.1	.3	.1								3.0	4.1
WNW	.2	1.1	.8	.1								2.0	5.8
NW	.2	.4										.6	3.8
NNW	1.4	.9	.1									2.4	3.5
VARBL	3.5	.4	1.0			.1						5.1	3.8
CALM												37.6	
	38.4	18.3	4.7	.9		.1						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS JUL MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.3	.5									6.5	4.0
NNE	2.2	1.8	.4	.0								4.4	3.9
NE	1.1	1.0	.1	.0								2.3	3.6
ENE	.9	.6	.2	.0	.0							1.8	4.0
E	.7	1.0	.5	.0	.0							2.2	5.3
ESE	.6	1.1	.3	.0								2.0	4.8
SE	.6	.6	.3	.0								1.5	4.3
SSE	3.1	.9	.1									4.1	2.8
S	6.4	2.9	.2	.0								9.5	2.9
SSW	2.5	2.2	.7									5.4	3.9
SW	1.2	2.2	1.3	.2								4.9	5.4
WSW	1.6	2.1	1.6	.4								5.7	5.7
W	1.9	2.4	2.0	.3	.0							6.7	5.6
WNW	1.0	1.2	.7	.1	.0							3.0	5.0
NW	.8	.9	.1	.0								1.8	4.2
NNW	1.4	1.9	.3									3.6	4.1
VARBL	4.2	1.4	4.2	1.0	.0	.0						10.9	5.9
CALM												23.8	
	33.0	27.6	13.5	2.1	.1	.0						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34.46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS AUG MONTH
0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	2.1	.3									6.6	3.1
NNE	2.8	1.4	.1									4.3	3.0
NE	1.5	1.1	.5									3.1	4.3
ENE	1.1	1.4	.9	.2								3.5	5.3
E	.4	.8	.8	.9								2.8	7.8
ESE	.8	1.1	1.0	.2								2.9	6.0
SE	1.2	.6	.6									2.5	4.5
SSE	5.5	1.5	.1									7.1	2.6
S	5.8	2.3		.1								8.2	2.8
SSW	1.6	1.2	.2									3.0	3.7
SW	.8	.9	.6									2.3	4.8
WSW		.3	.3									1.1	5.7
W	1.0	.4	.1									1.5	3.0
WNW	.8											.8	2.0
NW	.6	.1										.8	2.9
NNW	1.6	.8	.2									2.6	3.5
VARBL	3.1	.1	1.6	.5								5.4	5.1
CALM												41.7	
	32.7	16.2	7.4	1.9								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS AUG MONTH
ALL WEATHER CLASS 300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.2	.2									7.1	3.0
NNE	1.4	.6										2.0	3.1
NE	1.6	.8	.3									2.7	3.5
ENE	.6	1.2	.2									2.0	4.5
E	.4	.8	.5	.1								1.8	5.8
ESE	.2	.4										.6	3.3
SE	1.3	.5	.1									1.9	3.3
SSE	5.2	1.3										7.5	2.6
S	4.5	2.7	.2									11.4	2.8
SSW	.6	1.0	.1									1.7	4.1
SW	.5	.3	.5									1.9	4.9
WSW	1.0	.4	.2	.1								1.7	4.3
W	1.3	.2	.1									1.6	2.9
WNW	1.0	.1	.1									1.2	2.8
NW	1.0	.6										1.6	2.7
NNW	1.6	1.6	.1									3.3	3.5
VARBL	3.9	.6	1.4	.2								6.1	4.1
CALM												43.5	
	35.9	15.9	4.2	.4								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS AUG MONTH 0600-0800 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	2.8	.1									6.8	3.1
NNE	1.5	.9	.1									2.5	3.4
NE	1.4	.5										1.9	2.9
ENE	1.1	1.3	.1									2.2	3.5
E	1.0	.9	.2									2.0	3.8
ESE	.4	.6	.1									1.3	4.0
SE	1.0	.4	.1									1.5	2.9
SSE	4.6	2.5										7.1	3.1
S	3.3	5.1										13.3	3.1
SSW	3.0	1.3	.5									4.8	3.5
SW	1.1	1.4	.8									3.2	4.7
WSW	1.3	.8	.9									2.9	4.9
W	1.7	1.0	.4									3.1	3.6
WNW	.3	.2	.1									.6	3.8
NW	.5	.4	.1									1.1	3.5
NNW	1.7	1.6										3.3	3.3
VARBL	4.9	.4	1.4	.2								7.0	3.6
CALM												35.3	
	37.7	21.8	4.9	.2								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 935

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS AUG NORTH
0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	4.7	.3									8.2	3.9
NNE	1.8	.5	.2									2.6	3.0
NE	.8	.4	.1									1.3	3.4
ENE	.2	.3	.1									.6	4.3
E	.9	.8	.3									1.9	4.6
ESE	.9	1.4	.6	.1								3.0	5.2
SE	1.8	1.2	.3									3.3	3.9
SSE	1.5	1.6										3.1	3.7
S	5.2	6.5	.1									11.7	3.7
SSW	3.2	3.6	1.2									8.0	4.1
SW	1.5	2.7	2.0	.3								5.9	5.8
WSW	1.8	1.8	2.3	.2								6.1	5.5
W	2.7	2.2	1.4	.2								5.8	4.8
WNW	.9	.5	.3									1.7	4.1
NW	1.4	.6	.2									2.3	3.3
NNW	1.9	2.5	.3									4.7	4.1
VARBL	7.9	1.7	6.7	1.0								17.2	5.3
CALM												12.3	
	36.9	32.4	16.6	1.8								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34746 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS AUG MONTH
1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	5.2	.6									8.1	4.4
NNE	1.3	2.2	.2									3.7	4.1
NE	.9	.6	.1									1.6	3.9
ENE	.4	1.1	.1									1.5	4.4
E	.6	1.7	1.1	.2								3.7	5.8
ESE	.6	1.2	.8	.1								2.7	5.6
SE	.9	1.4	1.1									3.3	5.4
SSE	.5	1.9	.3									2.8	5.1
S	2.2	2.9	1.7									6.2	4.4
SSW	1.5	2.3	.6									4.4	4.3
SW	1.0	2.9	1.7	.2	.1							5.9	6.1
WSW	2.2	3.1	2.7	.8								8.7	5.9
W	1.2	3.3	1.2	1.0		.1						6.8	6.6
WNW	1.7	1.8	.6	.4								4.6	5.0
NW	.8	1.6										2.4	4.0
NNW	1.6	2.5	.3									4.4	3.9
VARBL	7.5	4.1	12.4	2.3								25.7	6.4
CALM												3.8	
	26.6	39.7	24.8	4.9	.1	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3446 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS AUG MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.1	.9									7.0	4.6
NNE	1.8	3.6	.2	.1								5.7	4.3
NE	.9	2.7	.3									3.2	4.5
ENE	1.3	1.3	.3									2.9	4.1
E	1.1	2.3	1.0	.1								4.4	5.4
ESE	.8	2.2	.9									3.8	5.2
SE	1.0	1.1	.6									2.7	4.6
SSE	1.5	.9	.1									2.5	3.3
S	3.0	2.6	.1									5.7	3.5
SSW	1.1	2.8	1.5									5.4	5.0
SW	1.0	2.6	2.3	.2								6.0	6.0
WSW	1.5	2.7	2.2	.5								6.9	6.0
W	1.7	2.5	3.2	1.2								8.6	6.7
WNW	1.8	1.3	.8	.1								4.0	4.5
NW	1.0	.6	.1									1.7	3.8
NNW	2.0	2.7	.2									5.0	4.1
VARBL	4.5	4.3	9.1	2.0								20.0	6.5
CALM												4.5	
	28.0	39.4	23.8	4.3								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3446
STATION

HEIDELBERG AAF DL
STATION NAME

68-73, 74-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	2.3	.4	.1								7.0	3.7
NNE	4.5	2.6	.4									7.5	3.2
NE	2.8	1.7										4.5	2.9
ENE	2.0	1.9	.4									4.4	3.9
E	2.2	2.7	1.4	.2								6.5	4.8
ESE	1.7	1.5	.5									3.8	4.0
SE	1.2	.9	.3									2.4	4.0
SSE	2.5	.8										3.2	2.8
S	4.1	2.4	.4									6.9	3.3
SSW	2.5	1.3	.3									4.1	3.6
SW	1.4	2.0	.8	.1								4.3	5.0
WSW	1.8	1.9	1.6	.1								5.5	5.3
W	2.5	2.2	1.7	.4								6.8	5.1
WNW	1.3	1.8	.2									3.3	4.1
NW	1.0	.8										1.7	3.1
NNW	1.5	1.4	.1									3.0	3.5
VARBL	3.0	.3	3.2	.4								7.0	5.5
CALM												18.2	
	40.1	28.4	11.9	1.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	1.9	.1									6.7	2.7
NNE	3.8	1.1										4.8	2.5
NE	1.7	1.7	.5									4.0	4.1
ENE	1.6	2.6	.9	.2								5.3	4.9
E	1.7	1.5	1.0	1.0								5.2	6.1
ESE	.9	.5	.4	.1								1.9	4.9
SE	1.0	.2	.2									1.4	3.5
SSE	4.9	1.3	.1									6.3	2.5
S	6.8	1.9	.2									8.9	2.7
SSW	1.6	1.6	.4									3.7	3.9
SW	1.3	.8	.5									2.6	4.5
WSW	.9	.8	.1									1.7	3.8
W	1.1	.3										1.4	2.7
WNW	.8	.4										1.2	3.4
NW	.4	.2	.2									.9	4.1
NNW	1.6	1.0										2.6	3.3
VARBL	2.2	.2	1.7	.2								4.3	5.3
CALM												37.2	
	36.8	18.1	6.5	1.5								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS AUG MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	3.1	.4	.0								7.2	3.6
NNE	2.4	1.6	.2	.0								4.1	3.4
NE	1.4	1.1	.2									2.8	3.7
ENE	1.0	1.3	.4	.1								2.8	4.4
E	1.0	1.4	.8	.3								3.5	5.5
ESE	.8	1.1	.5	.1								2.5	5.0
SE	1.2	.7	.4									2.4	4.2
SSE	1.4	1.5	.1									5.0	3.0
S	1.5	3.3	.3	.0								9.0	3.2
SSW	1.9	1.2	.6									4.4	4.1
SW	1.1	1.7	1.2	.1	.0							4.0	5.4
WSW	1.3	1.5	1.3	.2								4.3	5.5
W	1.6	1.5	1.0	.3		.0						4.5	5.3
WNW	1.1	.3	.3	.1								2.2	4.2
NW	.8	.9	.1									1.5	3.4
NNW	1.7	1.7	.2									3.6	3.7
VARBL	4.6	1.5	4.7	.9								11.6	5.6
CALM												24.6	
	34.3	26.5	12.5	2.1	.0	.0						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS SEP MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.4	.2									5.4	3.6
NNE	1.9	1.8	.3									4.0	3.7
NE	1.2	.8	.4									2.4	4.2
ENE	.6	1.0										1.6	3.6
E	.2	.3	.1	.1								.8	5.9
ESE	.8	.9	.6	.1								2.3	5.0
SE	1.4	.4	.3									2.2	3.0
SSE	4.7	3.2										7.9	3.1
S	7.4	4.2	.3									12.0	3.2
SSW	2.3	1.3	.8	.1								4.6	4.1
SW	.6	.8	1.3	.1								2.8	6.1
WSW	1.0	.2	.3									1.6	3.6
W	1.3	1.0	.4	.1								2.9	4.3
WNW	.3	.1	.2									.7	4.0
NW	.2											.2	1.5
NNW	.9	1.1	.2									2.2	3.8
VARBL	3.1	1.1	1.3	.2								5.8	4.3
CALM												40.7	
	30.8	20.8	7.0	.8								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS SEP MONTH 0300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.0										3.9	3.4
NNE	1.8	.6	.1									2.4	2.8
NE	.8	.4	.7	.1								2.0	5.4
ENE	.4	.8	.1	.1								1.4	4.8
E	1.1	.9	.1	.2								2.3	4.0
ESE	.2	.9	.4	.1								1.6	6.3
SE	1.2	.8										2.0	3.0
SSE	6.1	3.8										9.9	3.0
S	6.7	6.7	.1									12.8	3.4
SSW	2.3	1.3	.9	.2								4.8	4.3
SW	1.1	1.2	.3									2.7	4.3
WSW	1.7	1.0	.7	.1								3.4	4.3
W	1.0	1.1	.1	.1								2.3	4.2
WNW	.6	.1	.1									.8	3.6
NW	.6											.6	2.2
NNW	.7	1.4	.1									2.2	4.0
VARBL	3.8	.6	.4									4.8	2.9
CALM												40.1	
	31.9	22.8	4.2	1.0								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

SEP
MONTH

ALL WEATHER
CLASS

600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.4	.1									4.0	3.1
NNE	1.2	.6										1.8	2.9
NE	.3	.2	.4	.1								1.1	6.1
ENE	.1	.7	.2									1.0	4.6
E	.3	.2		.1								.7	4.5
ESE	.2	.3		.1								.7	4.7
SE	.8	.7	.1									1.6	3.6
SSE	5.2	4.1										9.3	3.1
S	8.1	9.1	.8									18.0	3.5
SSW	2.6	2.1	.8	.2								5.6	4.4
SW	1.6	1.3	1.2	.1								4.2	5.1
WSW	1.6	.7	.9	.2								3.3	4.9
W	2.1	1.2	.4									3.8	3.4
WNW	.6	.2		.1								.9	4.0
NW	.6	.3	.1									1.0	3.9
NNW	1.4	.8										2.2	3.0
VARBL	4.1	.3	1.1	.3								5.9	3.8
CALM												35.0	
	33.2	24.2	6.2	1.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34.46 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS SEP MONTHS 0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.9										4.8	3.9
NNE	.4	.3	.1									.9	3.9
NE	.3	.6										.9	3.9
ENE	.7	1.4	.6									2.7	4.9
E	.3	.4	.2									1.0	4.7
ESE	.4	.6	.3	.1								1.4	5.5
SE	.4	.6	.1									1.1	4.0
SSE	3.0	3.3	.3									6.7	3.7
S	6.6	11.1	1.0	.1								18.7	4.1
SSW	3.7	3.4	2.6	.6								10.2	5.1
SW	1.1	1.3	2.8	.9	.1							6.2	7.4
WSW	1.9	2.0	1.6	1.0								6.4	6.0
W	1.8	1.9	1.1	.3	.1							5.2	5.3
WNW	1.1	.3	.1	.3								1.9	4.2
NW	.4	.8										1.2	4.0
NNW	1.0	1.4										2.4	4.1
VARBL	6.8	2.2	3.7	.4								13.1	4.6
CALM												15.1	
	31.9	34.6	14.4	3.8	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS SEP MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.1	.4									5.4	4.2
NNE	1.1	1.0	.6									2.7	4.3
NE	.3		.6									.9	5.6
ENE	.7	.7	.3									1.7	4.3
E	.7	.8	.3	.1								1.9	4.9
ESE	.3	1.7	.9									2.2	6.0
SE	1.1	1.8	.3									3.2	4.1
SSE	1.8	1.6	.1									3.4	3.5
S	2.4	5.4	2.1	.3								10.3	5.2
SSW	1.8	3.3	1.3	.6								7.0	5.3
SW	2.1	2.7	5.4	1.8	.1							12.1	7.3
WSW	1.8	2.1	3.0	2.1	.1	.1						9.2	7.7
W	1.4	2.1	1.7	1.8	.2							7.2	7.5
WNW	1.0	.7	.8	.3								2.8	5.5
NW	.7	.3										1.0	2.7
NNW	1.8	1.0	.2									3.0	3.2
VARBL	6.3	3.1	7.6	1.9	.1							19.0	6.1
CALM												6.9	
	27.2	30.7	25.7	8.9	.6	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.6	.6									5.8	3.8
NNE	2.0	1.9	1.0									4.9	4.4
NE	1.3	.4	.1									1.9	3.0
ENE	1.0	1.1	1.1									3.2	5.1
E	1.3	2.0	.7	.3								4.3	5.0
ESE	.9	1.8	.2	.1								3.0	4.7
SE	.9	1.2	.1									2.2	3.9
SSE	1.1	1.0	.2									2.3	3.8
S	2.4	3.7	.8									6.9	4.2
SSW	2.3	3.8	2.2	.6								8.9	5.5
SW	1.0	2.8	3.8	.7	.1							8.3	7.0
WSW	1.3	4.4	3.7	2.1								11.6	7.2
W	1.4	2.2	2.6	2.0	.1							8.3	7.3
WNW	.6	1.2	.3	.3								2.4	5.6
NW	.2	.4	.1									.8	4.3
NNW	1.6	1.3	.3									3.2	4.0
VARBL	5.0	3.3	6.3	.8								15.4	5.9
CALM												6.4	
	27.1	35.2	24.1	6.9	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

SEP
MONTH
1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.2	.2									4.4	3.8
NNE	4.7	2.3	.3									7.3	3.0
NE	2.4	1.6	.1									4.1	3.3
ENE	2.3	1.4	.7	.1								4.6	4.1
E	1.9	1.9	.8	.1								4.6	4.5
ESE	1.2	.4	.6									2.2	4.0
SE	1.7	.2	.1									2.0	2.5
SSE	3.7	1.9	.3	.1								6.0	3.2
S	5.3	3.9	.2									9.4	3.4
SSW	1.7	2.8	1.2	.3								6.0	4.9
SW	1.9	1.1	1.3	.2								4.6	5.2
WSW	1.8	2.1	1.4	.2								5.6	5.2
W	.7	1.1	1.7	.1								3.6	6.3
WNW	.6	.3	.3	.2								1.4	5.2
NW	.2	.3	.2									.8	4.7
NNW	.4	.4	.1									1.0	4.1
VARBL	3.4	.4	1.8	.6								6.2	4.9
CALM												26.2	
	35.9	24.4	11.4	2.0								100.2	3.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 48 STATION HEIDELBERG AAF DL STATION NAME 68-70, 74-80 YEARS SEP MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	2.7	.2									6.7	3.1
NNE	3.2	.7										3.9	2.4
NE	2.2	1.4	.2									3.9	3.4
ENE	.7	.6	.6									1.8	4.4
E	.8	.2	1.0	.1								2.1	5.9
ESE	.3	.7	.3	.1								1.4	5.9
SE	.4	.2	.7									1.3	5.7
SSE	3.8	3.2	.6									7.6	3.6
S	6.1	4.0	.3									10.4	3.3
SSW	1.6	1.2	1.0	.3								4.1	5.1
SW	.8	1.0	.4	.7								2.9	6.7
WSW	.3	1.2	1.2									2.8	6.1
W	.8	1.3	.7									2.8	4.9
WNW	.9	.3	.1									1.3	3.3
NW	.2											.2	2.5
NNW	1.0	.6	.1									1.7	3.2
VARBL	3.1	1.1	2.4	.3								7.0	5.2
CALM												38.1	
	20.0	20.4	9.9	1.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40 STATION HEIDELBERG AAF OL STATION NAME 68-70,74-80 YEARS SEP MONTH
ALL WEATHER CLASS ALL MONTH (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.4	.2									5.1	3.6
NNE	2.0	1.1	.3									3.5	3.4
NE	1.1	.7	.3	.0								2.2	4.0
ENE	.8	1.0	.4	.0								2.2	4.5
E	.8	.6	.4	.1								2.2	4.6
ESE	.6	.3	.4	.1								1.9	5.2
SE	1.0	.7	.2									2.0	3.6
SSE	3.7	2.8	.2	.2								6.6	3.3
S	5.6	5.9	.7	.1								12.3	3.8
SSW	2.3	2.4	1.3	.4								6.4	4.9
SW	1.3	1.5	2.1	.6	.0							5.5	6.5
WSW	1.4	1.7	1.6	.7	.0	.0						5.5	6.3
W	1.3	1.5	1.1	.6	.1							4.5	5.9
WNW	.7	.4	.2	.2								1.5	4.7
NW	.4	.3	.1									.7	3.6
NNW	1.1	1.0	.1									2.2	3.7
VARBL	4.5	1.5	3.1	.6	.0							9.7	5.1
CALM												26.1	
	31.0	26.6	12.9	3.3	.1	.0						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.1	.5									4.6	3.0
NNE	1.8	.5										2.4	3.0
NE	1.6	.5	.2									2.4	2.9
ENE	.6	.5	.1	.1								1.6	4.7
E	1.1	.2	.2	.1								1.5	4.0
ESE	1.3	.9	.2									2.4	3.6
SE	1.3	.5										1.8	2.7
SSE	3.5	2.8	.1									6.5	3.3
S	2.0	3.5	.4									11.9	3.2
SSW	2.4	1.7	1.5	.1								5.9	4.5
SW	.8	.8	.5	.4								2.5	6.2
WSW	1.5	.5	.4	.6								3.1	5.7
W	1.6	.4	.3	.3								2.7	4.5
WNW	1.2	.3	.1	.1								1.7	3.6
NW	1.2	.4										1.6	2.6
NNW	1.6	.4										2.0	2.3
VARBL	2.9	1.3	1.3	.8								6.2	4.9
CALM												39.1	
	35.4	16.9	6.0	2.6								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS OCT MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.4	.4									4.8	3.4
NNE	1.9	.9										2.8	2.6
NE	1.2	1.1	.1									2.3	3.2
ENE	.6	.6	.3									1.6	4.5
E	1.2	.3	.1									1.6	2.6
ESE	.2	.5										.8	4.0
SE	1.0	.4										1.4	2.9
SSE	5.7	1.9	.1									7.7	2.8
S	4.9	4.9	.5									14.4	3.2
SSW	1.3	1.9	.8	.2								4.2	5.1
SW	1.1	.6	.8	.2								2.7	5.7
WSW	1.3	.2	.8									2.3	4.0
W	2.3	.2	.1	.3								2.9	3.1
WNW	.5	.3										.9	2.9
NW	.4		.1									.5	3.0
NNW	1.8	.8	.1									2.7	2.6
VARBL	4.2	.6	2.5	.1								7.4	4.5
CALM												39.0	
	36.7	16.8	6.7	.9								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS OCT MONTH
0600-0800 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.5	.2									4.5	3.1
NNE	1.4	.5	.1									2.0	2.9
NE	1.3	.4										1.7	2.8
ENE	1.0	1.1										2.0	3.6
E	1.0	.4		.1								1.5	3.6
ESE	.6	.3		.1								1.1	3.6
SE	.8	.5										1.3	2.9
SSE	5.9	1.6	.3									7.8	2.7
S	8.4	5.6	1.1									15.1	3.4
SSW	3.2	2.2	1.6	.3								7.1	4.8
SW	2.4	.5	1.3	.8								4.9	6.0
WSW	1.3	.4	.4	.2								2.4	4.4
W	1.6	.3	.6	.1								2.7	4.1
WNW	.9	.3										1.2	2.6
NW	.5											.5	1.4
NNW	1.7	.1										1.8	1.9
VARBL	3.2	.9	2.2	.4								6.7	4.8
CALM												35.6	
	37.7	16.8	7.8	2.0								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS OCT MONTH
STATION NAME CLASS ALL WEATHER HOURS 0900-1100
(L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.4	.4									3.8	3.7
NNE	1.6	.8	.1									2.5	3.1
NE	.9	.2	.1	.1								1.3	3.6
ENE	1.5	.3	.6									2.5	4.2
E	1.1	.9	.2									2.2	4.0
ESE	.9	.4	.3									1.6	4.1
SE	.4	.3	.3									1.1	4.3
SSE	2.0	1.7	.2									4.0	3.5
S	8.4	6.3	1.0									15.7	3.6
SSW	3.8	4.7	2.5	.5								11.5	5.1
SW	2.5	1.8	1.4	1.0								6.7	5.8
WSW	1.8	1.1	1.6	1.1								5.6	6.5
W	1.7	1.7	.8	.3								4.5	4.9
WNW	.5	.3	.1									1.0	3.8
NW	1.8	.3										2.2	2.3
NNW	1.4	.6	.2									2.3	3.4
VARBL	4.3	1.5	2.9	1.0	.1							9.8	5.5
CALM												22.0	
	36.6	24.5	12.8	4.0	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS OCT MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.2	1.1									6.7	3.7
NNE	1.6	.6	.3									2.6	3.5
NE	1.1	.3	.1									1.5	3.0
ENE	.9	.3	.5	.5								2.3	6.4
E	.9	.3	.8									1.9	5.1
ESE	.8	1.1	.4	.1								2.4	5.0
SE	.6	1.3	.1									2.0	4.3
SSE	1.4	2.1	.2									3.7	3.9
S	3.9	6.4	1.2									11.4	4.3
SSW	3.7	4.4	2.5	.5								11.1	5.1
SW	2.4	2.7	2.4	1.2	.1							8.7	6.5
WSW	1.4	1.9	2.5	.5	.1							6.5	6.5
W	2.2	1.4	1.4	.9	.1							5.9	6.1
WNW	1.4	1.1	.6	.1								3.2	4.4
NW	.9	.6										1.5	3.1
NNW	1.8	2.2	.3									4.3	3.6
VARBL	5.1	1.8	4.3	1.2								12.4	5.6
CALM												11.9	
	33.3	30.7	18.7	5.1	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34.46 STATION HEIDELBERG AAF DL 68-73,74-80 YEARS OCT MONTH
1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.2	.4	.1								7.6	3.7
NNE	2.1	1.5	.2									3.8	3.3
NE	1.3	1.3										2.6	3.3
ENE	.6	.6	.4	.1								1.8	5.3
E	.6	1.6	.6	.1								3.0	5.4
ESE	1.2	1.5	.4									3.1	4.4
SE	.6	1.1										1.7	3.9
SSE	2.2	1.3	.1									4.1	3.3
S	4.6	3.3	.8									8.7	3.5
SSW	2.8	2.8	1.4									7.0	4.3
SW	2.2	2.8	2.0	.2	.1							7.3	5.5
WSW	1.5	2.7	2.4	1.4	.1							8.1	6.8
W	2.3	1.7	1.7	.5								6.2	5.7
WNW	1.2	1.7	.3	.1								2.6	4.2
NW	1.1	.8	.1									1.9	3.7
NNW	3.7	1.7	.4									5.2	3.4
VARBL	5.1	1.9	3.3	.9								11.2	5.0
CALM												14.1	
	36.1	31.4	14.7	3.4	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

31 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS OCT MONTH
1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	1.7	.2									7.7	2.7
NNE	3.3	1.7	.2									4.5	2.7
NE	1.6	.9	.3									2.8	3.5
ENE	1.1	1.7	.9									2.9	4.8
E	.9	.9	.3									2.0	4.1
ESE	1.1	1.2	.5									2.8	4.6
SE	1.5	.8										2.3	2.9
SSE	5.5	1.8										7.3	2.7
S	7.7	3.1	.6									10.6	3.2
SSW	2.0	1.6	.6									4.3	4.2
SW	1.4	1.2	.6									3.2	4.1
WSW	.3	1.5	1.2	.1								3.1	6.1
W	1.2	1.4	.4	.2								3.2	5.0
WNW	1.0	.2	.1	.1								1.9	3.8
NW	.6	.4										1.1	3.0
NNW	1.2	.3										1.9	3.1
VARBL	4.5	1.7	1.5	.6								7.6	4.1
CALM												30.5	
	47.0	20.8	7.6	1.1								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS OCT MONTH
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.5	.2	.1								4.5	3.3
NNE	1.6	.2										1.8	2.3
NE	1.1	.3	.3									2.2	4.1
ENE	.8	.6	.5	.1								2.0	5.1
E	.8	.9	.3	.1								2.0	5.1
ESE	1.0	.6	1.2	.2								2.8	5.6
SE	1.3	.5	.1									1.9	3.1
SSE	7.6	3.	.1									10.8	2.9
S	5.7	4.3	.2									11.2	3.1
SSW	1.3	1.1	1.1									3.4	4.8
SW	.9	.3	.9	.4								2.5	6.3
WSW	.6	1.3	.2	.1								2.3	4.8
W	1.0	.9	.6	.3								2.6	5.6
WNW	.9	.5										1.4	3.2
NW	.3	.5										.9	3.5
NNW	2.4	.4										2.8	2.7
VARBL	4.1	.5	2.5	.8								8.0	5.2
CALM												36.8	
	34.8	18.2	8.1	2.2								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

39 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS OCT MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.7	.4	.0								5.5	3.3
NNE	1.9	.8	.1									2.8	2.9
NE	1.3	.7	.1	.0								2.1	3.3
ENE	.9	.7	.4	.1								2.1	4.9
E	.9	.7	.3	.1								2.0	4.4
ESE	.9	.8	.4	.1								2.1	4.5
SE	.9	.7	.1									1.7	3.4
SSE	4.2	2.1	.1									6.5	3.6
S	7.0	4.7	.7									12.4	3.4
SSW	2.5	2.6	1.5	.2								6.8	4.8
SW	1.7	1.3	1.2	.5	.0							4.8	5.8
WSW	1.2	1.2	1.2	.5	.0							4.2	6.0
W	1.7	1.0	.8	.4	.7							3.9	5.1
WNW	.9	.6	.2	.1								1.7	3.8
NW	.9	.4	.0									1.3	2.9
NNW	1.9	.9	.1									2.9	3.0
VARBL	4.2	1.2	2.6	.7	.0							8.7	5.0
CALM												28.6	
	36.3	22.0	10.3	2.6	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS NGV NORTH
ALL WEATHER CLASS 1000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	2.2	.9									6.9	3.8
NNE	1.3	.9	.1									2.3	3.2
NE	.8	.9	.4									2.1	4.9
ENE	.4	.2	.7	.1								1.4	6.4
E	1.0	.6	.6	.4	.1							2.7	6.3
ESE	.8	.7	.4									1.9	4.8
SE	.6	.1	.1	.1								.9	4.6
SSE	4.6	4.4	1.0									10.0	3.9
S	9.2	7.4	2.0									18.7	3.9
SSW	2.0	2.0	1.9	.3								6.2	5.6
SW	.7	2.2	1.4	1.7								6.0	7.5
WSW	1.7	1.2	.9	.3	.3							3.8	6.9
W	1.3	.6	.6	.4	.1							3.0	6.5
WNW	.3	.1										.4	2.8
NW		.4	.1									.6	5.6
NNW	1.8	.4										2.2	2.5
VARBL	3.2	1.4	1.9	1.3	.4	.1						8.4	6.6
CALM												22.4	
	32.8	25.9	13.0	4.8	1.0	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

66-70, 74-80
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	1.7	.4	.1								6.4	3.3
NNE	1.2	.7	.4	.1								2.4	4.2
NE	1.0	.3	.3	.1								1.8	4.8
ENE	.7	.7	.4	.1								1.9	5.4
E	.9	.8	.4	.3								2.4	5.8
ESE	.7	.6	.2									1.4	4.4
SE	1.0	.8										1.8	3.6
SSE	6.4	5.1	1.3									12.9	3.7
S	7.9	7.4	1.3	.1								16.6	3.7
SSW	.9	1.4	2.6	.7								5.4	7.3
SW	.3	.7	2.1	1.2	.3							4.7	9.5
WSW	1.0	1.3	1.3	.3	.1							4.1	6.5
W	1.1	.3	1.3	.8	.1							3.7	7.7
WNW	.6	.1	.1	.1								.9	4.4
NW	.4	.2	.2									.9	4.5
NNW	1.3	.7										2.0	3.1
VARBL	3.0	1.2	1.7	1.4	.4							7.8	6.6
CALM												22.7	
	32.6	24.0	14.3	5.4	1.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS NOV MONTH 0600-0600 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	2.1	.6									6.9	3.3
NNE	1.4	1.7	.2	.1								2.6	4.0
NE	1.0	.8	.6									2.3	5.0
ENE	.3	.7	.4	.2								1.2	6.5
E	.2	.7	.3	.4								1.7	7.3
ESE	.4	.4										.9	2.9
SE	.9	.9	.2									2.0	3.9
SSE	4.9	6.2	.6									11.7	3.8
S	8.3	8.2	1.2									17.8	3.7
SSW	2.2	2.7	1.9	.6								7.3	5.3
SW	.6	.4	2.2	1.7	.1							5.0	9.0
WSW	1.0	.8	2.0	1.1								4.9	7.6
W	1.3	.9	.7	1.0	.4							4.2	7.6
WNW	.9		.1									1.0	2.4
NW	.4	.1	.1									.7	3.5
NNW	1.2	.3	.1									1.7	2.7
VARBL	3.8	1.7	1.6	1.2	.2							7.8	5.9
CALM												20.2	
	23.2	26.7	12.8	6.3	.8							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34-45 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS NOV MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.8	.3	.1								6.6	3.7
NNE	1.3	1.1	.4									2.8	4.1
NE	.3	.7	.1	.1								1.7	4.5
ENE	.3	.9	.1	.2								1.6	5.1
E	.6	.3	.2	.7	.1							1.9	8.5
ESE	.3	.3	.1	.1								1.3	4.8
SE	.8	.4	.2									1.4	3.8
SSE	3.1	3.2	.8									6.9	4.1
S	8.2	9.1	2.0	.1								19.2	4.1
SSW	2.8	3.6	1.9	1.4								9.7	5.9
SW	.9	1.2	3.4	2.1								7.7	8.4
WSW	1.8	1.4	1.9	1.0	.4							5.8	8.2
W	1.7	1.6	.9	.2	.1							4.4	4.9
WNW	.4	.3										.8	3.3
NW	1.0	.2										1.2	2.8
NNW	2.0	.4	.2									2.7	3.7
VARBL	4.0	1.1	3.7	1.4	.2	.2						10.7	6.6
CALM												13.7	
	32.4	28.9	16.4	7.6	.9	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 6E-70,74-80 NOV
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.9	4.6	1.6									9.0	4.7
NNE	1.3	1.	.2	.1								2.7	4.0
NE	.2	.8	.2									1.2	5.4
ENE		.8	.4	.2								1.4	7.2
E	.3	.6	.4	.4								1.8	7.5
ESE	.3	.7	.4									1.4	5.2
SE	.6	1.1	.2									1.9	4.1
SSE	1.6	3.7	.6									5.1	4.5
S	3.7	7.2	1.9	.3								13.1	4.9
SSW	2.8	4.3	2.7	1.1	.2							11.1	6.1
SW	1.6	3.7	4.7	2.8	.3							12.3	8.0
WSW	.8	2.4	3.2	2.0	.1	.1						8.7	8.4
W	.1	1.4	1.6	1.0	.3	.1						6.6	6.9
WNW	.6	.1										.7	2.5
NW	1.7	.3										1.3	2.6
NNW	1.6	.6	.1									2.2	3.1
VARBL	3.4	1.2	5.8	1.3	.3	.1						12.2	7.2
CALM												7.2	
	24.7	33.1	24.0	9.3	1.3	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 4c STATION HEIDELBERG AAF DL STATION NAME 68-70, 74-80 YEARS NCV MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.6	1.2	.1								9.1	4.2
NNE	2.1	.6	.3									3.0	3.4
NE	.7	.6	.2									1.4	4.2
ENE	.2	1.1	.7	.1								2.1	6.1
E	.7	1.2	1.2	.1								3.2	6.1
ESE	1.1	.7	.2	.1								2.1	4.4
SE	1.1	1.1	.3									2.4	4.0
SSE	2.8	2.4	.3	.1								5.7	3.6
S	0.1	6.2	1.2									13.6	4.0
SSW	2.6	3.2	3.1	1.1								10.0	6.3
SW	1.3	2.9	3.2	1.9	.1							9.4	7.4
WSW	1.2	2.1	2.2	1.8	.1							7.3	7.7
W	1.6	1.9	2.3	.8								6.6	6.2
WNW	.9	.6	.2	.2								1.9	4.9
NW	.9	.1	.2									1.2	3.5
NNW	1.1	.3	.2									1.7	3.1
VARBL	2.6	1.2	3.2	1.3								8.3	6.5
CALM												10.9	
	31.0	29.7	20.6	7.7	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 6P-70,74-80 YEARS NCV
STATION NAME MONTH
ALL WEATHER CLASS 1800-2000
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	2.3	.9									7.3	3.6
NNE	2.2	.3	.1									2.7	2.7
NE	1.3	1.1	.1	.1								2.7	4.0
ENE	1.3	.7	.3	.1								2.4	4.1
E	1.0	1.1	.6	.6	.1							3.3	6.8
ESE	.6	.4	.9									1.9	5.9
SE	1.0	.3	.2	.2								1.8	4.6
SSE	5.7	3.3	1.2	.1								10.3	3.8
S	7.4	6.2	1.1	.2								15.0	3.9
SSW	1.2	1.6	1.7	.4								5.1	6.0
SW	1.0	1.7	3.2	2.0								7.9	8.1
WSW	1.1	1.1	1.1	.9								4.2	6.7
W	1.4	1.1	1.0	.8								4.3	6.2
WNW	.3	.4	.1									.9	4.5
NW	.4	.1										.6	3.2
NNW	1.2	.4	.4									2.1	3.9
VARBL	1.8	.9	1.7	1.0								5.3	6.7
CALM												22.1	
	33.2	23.4	14.7	6.4	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 45 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS MONTH NOV
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.7	1.4									6.3	4.0
NNE	2.0	.3	.3									2.7	3.0
NE	.8	1.2	.1	.1								2.2	4.7
ENE	.7	1.0	.4	.1								2.2	5.3
E	.7	.2	.2	.6								1.7	6.5
ESE	.9	.9	1.0	.2								3.0	6.0
SE	.7	1.1										1.8	3.7
SSE	4.2	4.8	1.2	.1								10.3	4.3
S	8.2	6.1	1.4	.1								15.9	3.8
SSW	1.0	2.0	2.0	.7		.1						5.8	6.6
SW	.3	1.2	2.7	1.3								5.6	8.2
WSW	1.1	1.1	2.2	1.0		.1						5.4	7.7
W	1.6	1.1	.8	.4								3.9	5.0
WNW	.3	.4										.8	4.0
NW	.2	.4										.7	3.5
NNW	1.3		.3									1.7	3.1
VARBL	2.2	.8	1.9	1.2	.1	.1						6.3	7.0
CALM												23.5	
	29.4	24.3	16.1	5.9	.1	.3						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS NOV MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	2.6	.9	.0								7.3	3.9
NNE	1.6	.7	.3	.0								2.7	3.6
NE	.8	.3	.3	.1								1.9	4.6
ENE	.5	.7	.4	.2								1.8	5.6
E	.7	.7	.5	.4	.0							3.3	6.7
ESE	.6	.6	.4	.1								1.8	5.0
SE	.3	.7	.2	.0								1.8	4.0
SSE	4.2	4.0	.9	.0								9.1	3.9
S	7.4	7.3	1.5	.1								16.3	4.0
SSW	1.9	2.6	2.2	.8	.0	.0						7.6	6.1
SW	.8	1.7	2.9	1.8	.1							7.3	8.2
WSW	1.0	1.4	1.9	1.1	.1	.0						5.5	7.6
W	1.5	1.1	1.1	.7	.1	.0						4.6	6.4
WNW	.5	.3	.1	.0								.9	3.8
NW	.6	.3	.1									.9	3.5
NNW	1.4	.4	.2									2.0	3.1
VARBL	3.0	1.1	2.7	1.3	.2	.1						8.4	6.7
CALM												17.9	
	31.2	27.0	16.5	6.7	.7	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

31046 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS DEC
STATION NAME MONTH
ALL WEATHER
CLASS
0000-0200
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.9	1.2									5.2	4.5
NNE	1.1	.2	.4									1.7	3.8
NE	.3	.6	.3									1.3	5.6
ENE	1.5	1.2	1.1	.2								4.0	5.2
E	1.5	1.0	.2	.1								2.8	3.8
ESE	.4	.6	.3									1.4	4.6
SE	.6	.6	.4									1.7	4.8
SSE	4.6	4.6	.4									9.7	3.7
S	7.4	7.1	.9									15.4	3.8
SSW	1.8	1.7	2.3	.9								6.7	6.4
SW	.5	1.3	1.8	1.7	.1							5.5	8.6
WSW	1.0	1.6	1.4	1.5	.3							5.8	8.4
W	1.7	1.1	.9	.8	.1							4.5	6.2
WNW	1.4	.6										2.0	2.7
NW	.4	.3										.8	3.3
NNW	1.4	.9	.4									2.7	3.6
VARBL	4.0	1.6	2.0	1.1	.1							8.8	5.5
CALM												20.0	
	31.9	27.1	14.1	6.2	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34746 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS DEC MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.6	1.1									5.9	4.1
NNE	1.3	.6	.2									2.2	3.3
NE	.4	.6	.3	.1								1.5	5.2
ENE	1.2	1.2	1.2	.3								3.9	5.6
E	1.5	.5	.4	.1								2.6	4.3
ESE	.6	.9										1.5	3.7
SE	1.1	.8	.4									2.3	4.2
SSE	4.2	4.7	.5									9.5	3.8
S	6.8	6.5	1.1									14.3	3.7
SSW	1.9	2.3	1.8	.6								6.7	5.8
SW	.8	1.4	2.5	.6	.4	.1						5.8	8.6
WSW	1.6	1.2	1.1	.6	.4							4.9	6.9
W	1.6	1.0	.8	.9								4.2	6.0
WNW	.6	.8	.5									1.9	4.6
NW	.4	.2										.6	2.8
NNW	.8	.9	.1									1.7	3.4
VARBL	3.0	2.5	2.0	1.6	.3							9.5	6.7
CALM												21.1	
	31.1	27.5	14.1	4.9	1.2	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS DEC MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.6	1.4									5.9	4.1
NNE	.8	.8	.5									2.0	4.3
NE	1.3	.4	.1									1.8	3.4
ENE	1.0	1.2	.5	.2								2.9	5.1
E	1.1	1.2	.5	.2								3.0	5.2
ESE	1.4	.6										2.0	2.7
SE	1.1	.9	.1									2.0	3.3
SSE	3.1	5.2	.3									6.6	4.2
S	6.1	9.1	.8									15.9	3.9
SSW	2.0	3.3	2.0	.4	.3							8.2	5.8
SW	1.4	1.4	2.3	1.1	.5							6.7	7.9
WSW	1.3	.4	.9	.4	.4							3.4	7.4
W	.8	1.1	1.2	.5	.1							3.7	7.2
WNW	1.2	.2		.1								1.5	3.1
NW	.8	.3	.1									1.2	3.5
NNW	1.5	.9	.1									2.5	3.4
VARBL	2.7	2.7	2.4	1.4	.3							9.5	6.6
CALM												19.1	
	30.3	31.2	13.2	4.4	1.7							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 45 HEIDELBERG AAF DL 68-70, 74-80 DEC

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

8900-1100

HOURE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	.8									5.2	4.5
NNE	1.3	.8	.4									2.5	3.8
NE	.5	.8	.3									1.6	4.5
ENE	1.1	1.2	.1									2.3	4.0
E	1.1	2.0	.5									3.7	4.7
ESE	.8	.8	.4	.1								2.0	5.1
SE	1.0	.8	.2									1.9	3.8
SSE	4.9	4.3	.8									10.0	3.7
S	5.4	8.1	2.5	.1								16.0	4.5
SSW	1.8	4.3	1.8	1.2	.2							9.4	6.3
SW	1.0	1.4	2.5	1.5	.1							6.5	8.0
WSW	1.4	1.4	1.9	1.1	.5	.2						6.6	8.3
W	1.3	.5	.6	.8	.1	.2						3.5	7.8
WNW	1.1	.2	.3	.1								1.7	4.4
NW	1.4	.2	.1									1.7	2.9
NNW	1.1	1.0	.1									2.2	3.5
VARBL	3.4	1.6	2.5	1.0	.4	.1						9.0	6.5
CALM												14.3	
	30.1	31.9	15.9	5.8	1.4	.5						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS DEC MONTH
STATION NAME YEARS MONTH
1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	.2	.1								4.5	4.2
NNE	1.5	.6		.1								2.3	3.1
NE	.2	.5	.6									1.6	6.0
ENE	.9	1.1	.4									2.4	4.3
E	.9	1.5	.9	.1								3.3	5.3
ESE	.5	1.5	.2		.1							2.4	5.1
SE	.2	1.4	.5									2.2	5.4
SSE	3.4	3.3	.3									7.1	3.8
S	5.5	7.5	1.2									14.2	4.1
SSW	2.2	3.4	2.6	.4								8.6	5.7
SW	1.1	2.3	4.6	2.3	.3							10.5	8.3
WSW	1.4	.5	2.4	2.2	.3	.2						7.0	9.3
W	1.5	1.0	1.2	1.9	.2	.2						6.0	9.0
WNW	.9	.3	.5									1.7	4.7
NW	.6	.6										1.3	3.3
NNW	1.7	.5										2.3	3.0
VARBL	4.4	2.2	3.5	2.0	.2	.3						12.7	7.0
CALM												10.0	
	28.5	31.2	19.2	9.1	1.2	.8						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS DEC
STATION NAME CLASS NORTH
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.5	.4									4.6	3.8
NNE	2.3	1.0	.2	.1								3.5	3.4
NE	.9	1.4	.4									2.7	4.7
ENE	.9	1.7	.8									3.3	5.1
E	.9	2.0	.6									3.5	5.0
ESE	.8	1.4	.4									2.6	4.5
SE	1.0	1.5	.3	.2								3.0	4.8
SSE	2.9	2.6	.2									5.7	3.7
S	4.9	6.3	1.4									12.7	4.1
SSW	2.0	3.8	2.5	.3								8.6	5.5
SW	1.0	2.7	4.0	1.8	.2							9.7	8.0
WSW	1.3	1.2	1.7	1.5	.3							6.0	8.1
W	.9	1.9	.9	1.0	.3							4.9	7.6
WNW	.5	.4	.2	.1								1.3	5.0
NW	1.0	.9	.1									1.9	3.8
NNW	1.9	.9	.2									3.0	3.2
VARBL	3.8	1.9	2.4	1.5	.3	.2						10.1	6.7
CALM												12.7	
	29.5	33.1	16.8	6.6	1.2	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

30 45 STATION HEIDELBERG AAF DL 68-70, 74-80 YEARS DEC MONTH 1900-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	.3									4.4	3.8
NNE	2.6	1.6	.1									4.3	3.1
NE	.6	1.3	.3									2.3	4.7
ENE	.3	1.6	.6									2.6	5.2
E	.8	1.1	.3									2.2	4.2
ESE	.8	1.1	.5									2.3	5.0
SE	1.1	.2										1.7	2.9
SSE	3.7	3.8	1.5									8.9	4.2
S	6.2	5.2	1.7	.1								13.2	4.1
SSW	2.1	3.8	2.8	.5								9.1	5.8
SW	.6	1.1	4.0	.9	.3							6.9	8.3
WSW	1.0	.8	.9	1.1	.2							3.9	8.3
W	.4	1.6	.8	1.1								3.9	7.8
WNW	.4	.6	.4									1.5	5.0
NW	.5	.2	.2									1.0	3.8
NNW	.9	.2	.6									1.7	4.4
VARBL	3.1	4.2	2.9	.5	.2	.1						9.0	6.2
CALM												21.2	
	27.1	28.6	18.1	4.2	.8	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 46 STATION HEIDELBERG AAF DL 62-70,74-80 YEARS DEC
STATION NAME CLASS ALL WEATHER MONTH
CONDITION HOURS (L.S.T.) 2100-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.5									3.1	4.4
NNE	2.2	1.1	.1									3.3	3.3
NE	.4	.9	.4									1.7	4.9
ENE	.5	1.1	.6									2.3	5.0
E	1.0	.9	.3	.1								2.3	4.7
ESE	.4	1.	.2									1.6	4.6
SE	.6	1.7	.5									2.9	5.0
SSE	4.8	3.7	.3									8.8	3.5
S	5.5	7.8	1.6	.1								15.0	4.1
SSW	1.9	2.7	2.5	.5	.1							7.8	6.0
SW	1.0	1.5	2.5	.9	.2							6.0	7.7
WSW	1.5	1.1	1.1	1.6	.1							5.4	7.5
W	.4	.9	.8	.8								2.8	7.3
WNW	.4	.5	.2		.1							1.3	5.7
NW		.5	.1									.6	5.7
NNW	1.0	1.7	.9									3.6	5.0
VARBL	4.5	1.3	2.7	.5	.3							9.4	5.6
CALM												22.1	
	27.6	29.5	15.4	4.5	.9							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34-45 STATION HEIDELBERG AAF DL 68-73, 74-80 YEARS DEC MONTH
ALL CLASS ALL HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.7	.7	.0								4.9	4.2
NNE	1.6	.8	.3	.0								2.7	3.4
NE	.6	.8	.4	.0								1.8	4.8
ENE	.9	1.3	.7	.1								2.9	5.0
E	1.1	1.3	.5	.1								2.9	4.7
ESE	.7	1.1	.3	.0	.0							2.0	4.4
SE	.8	1.1	.3	.0								2.2	4.4
SSE	4.2	4.2	.6									8.5	3.8
S	6.2	7.2	1.4	.0								14.6	4.0
SSW	1.1	3.2	2.3	.6	.1							8.1	5.9
SW	.9	1.6	3.0	1.3	.3	.0						7.2	8.2
WSW	1.3	1.1	1.4	1.3	.3	.1						5.4	8.1
W	1.1	1.1	.9	1.0	.1	.1						4.2	7.4
WNW	.8	.9	.3	.0	.0							1.6	4.3
NW	.6	.4	.1									1.1	3.6
NNW	1.3	.0	.3									2.4	3.7
VARBL	3.6	2.0	2.6	1.2	.3	.1						9.7	6.4
CALM												17.6	
	22.5	30.0	15.9	5.7	1.1	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/LMAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34 40 STATION HEIDELBERG AAF DL 68-70,74-P1 ALL MONTH ALL HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.1	.8	.0								6.9	4.1
NNE	3.1	1.4	.3	.0								3.7	3.7
NE	1.1	1.1	.3	.0	.0							2.5	4.1
ENE	.9	1.2	.6	.2	.0	.0						2.9	5.3
E	.9	1.2	.8	.3	.0	.0						3.2	5.9
ESE	.6	.9	.4	.1	.0							2.1	5.0
SE	.8	.8	.3	.0								1.9	4.3
SSE	3.4	2.4	.3	.0								6.1	3.5
S	5.8	4.8	.8	.0								11.5	3.7
SSW	3.0	2.4	1.5	.4	.0	.0						6.3	5.3
SW	1.1	1.6	2.0	.9	.1	.0						5.7	7.2
WSW	1.2	1.5	1.5	.8	.1	.0						5.0	6.8
W	1.7	1.5	1.1	.6	.1	.0						5.0	5.9
WNW	.9	.7	.4	.1	.0	.0						2.1	4.8
NW	.7	.5	.2	.0								1.4	3.9
NNW	1.5	1.3	.3	.0								3.0	3.8
VARBL	3.3	1.3	4.0	1.1	.1	.0	.0					9.9	6.3
CALM												20.8	
	30.9	27.6	15.7	4.5	.4	.1	.0					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 67618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34146 STATION HEIDELBERG AAF DL 68-70,74-81 YEARS ALL MONTH ALL HOURS (L.S.T.)

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.9	3.7	1.0	.0								9.6	3.7
NNE	1.9	.6	.1	.0								2.6	3.0
NE	.7	.3	.1									1.1	3.0
ENE	.6	.3	.0	.0								1.0	3.4
E	.6	.4	.1									1.1	3.5
ESE	.5	.4	.0									1.0	3.2
SE	.6	.5	.1	.0								1.2	3.5
SSE	3.9	2.3	.2									6.3	3.2
S	8.2	5.1	.7	.0								14.0	3.4
SSW	2.5	3.1	1.7	.4	.0							7.7	5.0
SW	1.5	1.6	2.1	1.2	.1	.						6.6	7.2
WSW	1.5	.8	1.0	.4	.0							3.6	5.6
W	2.0	.8	.1	.1								3.0	3.1
WNW	1.1	.5	.1	.0								1.7	3.4
NW	1.1	.6	.1	.0								1.9	3.3
NNW	2.7	1.5	.3									4.6	3.3
VARBL	3.9	1.	.8	.2	.0	.0						6.0	3.7
CALM												27.1	
	38.4	23.4	8.5	2.4	.2	.0						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 10525

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
AFMELTAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

69-70, 74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		17.7	18.6	20.6	22.2	22.2	23.4	24.4	24.8	25.1	25.3	25.3	25.4	25.4	25.5	25.9
≥ 20000		19.3	20.2	22.2	23.9	23.9	25.1	26.2	26.5	26.8	27.0	27.0	27.1	27.1	27.2	27.6
≥ 18000		19.6	20.8	22.7	24.4	24.4	25.6	26.7	27.0	27.3	27.6	27.6	27.7	27.7	27.8	28.1
≥ 16000		19.6	20.8	22.7	24.4	24.4	25.6	26.7	27.0	27.3	27.6	27.6	27.7	27.7	27.8	28.1
≥ 14000		19.8	21.0	22.9	24.7	24.7	25.8	26.9	27.2	27.6	27.8	27.8	27.9	27.9	28.0	28.3
≥ 12000		20.3	21.5	23.5	25.2	25.2	26.4	27.4	27.8	28.1	28.3	28.3	28.4	28.4	28.5	28.8
≥ 10000		22.0	23.1	25.2	26.9	26.9	28.1	29.2	29.5	29.8	30.0	30.0	30.1	30.1	30.2	30.6
≥ 9000		23.0	24.2	26.5	28.4	28.4	29.6	30.7	31.0	31.3	31.5	31.5	31.6	31.6	31.8	32.1
≥ 8000		28.3	29.5	32.0	34.2	34.2	35.5	36.7	37.1	37.9	38.1	38.1	38.2	38.2	38.3	38.6
≥ 7000		29.5	30.7	33.3	35.7	35.7	37.0	38.2	38.6	39.4	39.6	39.6	39.7	39.7	39.8	40.2
≥ 6000		30.9	32.1	34.9	37.4	37.4	38.6	39.8	40.3	41.0	41.2	41.2	41.3	41.3	41.4	41.8
≥ 5000		32.7	34.0	37.0	39.6	39.6	40.9	42.1	42.6	43.5	43.7	43.7	43.8	43.8	43.9	44.2
≥ 4500		37.0	38.8	42.0	45.3	45.3	46.8	48.1	48.8	49.6	49.8	49.8	49.9	49.9	50.1	50.4
≥ 4000		39.9	41.8	45.4	49.8	49.8	51.3	52.7	53.4	54.3	54.5	54.5	54.6	54.6	54.7	55.0
≥ 3500		42.7	44.8	48.7	53.3	53.3	54.9	56.4	57.1	57.9	58.1	58.1	58.2	58.2	58.3	58.7
≥ 3000		46.2	49.1	53.0	58.2	58.2	59.8	61.7	62.3	63.2	63.4	63.4	63.5	63.5	63.6	63.9
≥ 2500		49.1	53.2	57.9	64.0	64.0	65.8	67.6	68.4	69.2	69.4	69.4	69.5	69.5	69.6	70.0
≥ 2000		55.2	60.0	65.4	73.1	73.1	75.2	77.7	78.8	79.9	80.1	80.1	80.3	80.3	80.4	80.7
≥ 1800		55.7	60.5	66.0	73.8	74.0	76.5	79.3	80.4	81.5	81.7	81.7	81.9	81.9	82.0	82.3
≥ 1500		57.5	62.6	68.5	77.2	77.3	80.2	83.0	84.2	85.5	85.7	85.7	85.9	85.9	86.0	86.3
≥ 1200		58.0	63.2	69.1	78.4	78.7	81.7	84.5	85.7	87.0	87.2	87.3	87.5	87.5	87.6	87.9
≥ 1000		58.3	63.6	69.5	78.9	79.3	82.6	85.4	86.5	88.6	88.8	88.9	89.1	89.1	89.2	89.6
≥ 900		58.8	64.0	70.0	79.7	80.1	83.4	86.4	87.6	89.8	90.0	90.1	90.3	90.3	90.4	90.7
≥ 800		59.1	64.5	70.5	80.2	80.6	84.2	87.4	88.7	90.9	91.1	91.2	91.4	91.4	91.5	91.8
≥ 700		59.5	64.9	71.0	80.8	81.3	85.0	88.3	89.6	91.7	91.9	92.0	92.2	92.2	92.4	92.7
≥ 600		59.5	64.9	71.0	81.2	81.6	85.6	88.8	90.2	92.4	92.9	93.0	93.3	93.3	93.4	93.8
≥ 500		59.5	64.9	71.0	81.7	82.1	86.4	90.1	91.5	94.1	94.6	94.7	95.2	95.2	95.3	95.6
≥ 400		59.5	64.9	71.0	81.7	82.1	86.5	90.2	91.6	94.6	95.6	95.7	96.2	96.3	96.4	96.8
≥ 300		59.5	64.9	71.0	81.7	82.1	86.5	90.2	91.8	94.8	95.9	96.0	96.6	96.7	96.8	97.2
≥ 200		59.6	65.0	71.2	81.8	82.2	86.7	90.3	91.9	94.9	96.0	96.1	96.9	97.0	97.1	97.6
≥ 100		59.6	65.0	71.2	81.9	82.3	86.9	90.5	92.1	95.2	96.2	96.3	97.1	97.2	97.3	99.2
≥ 0		59.6	65.0	71.2	81.9	82.3	86.9	90.5	92.1	95.2	96.2	96.3	97.2	97.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3446

HEIDELBERG AAF DL

69-70, 74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		15.6	17.2	18.8	21.2	21.2	22.3	22.7	22.9	23.7	23.7	23.7	23.9	23.9	24.0	24.4
≥ 20000		16.7	18.3	19.9	22.5	22.5	23.5	24.0	24.2	24.9	24.9	24.9	25.2	25.2	25.3	25.7
≥ 18000		17.4	19.0	20.6	23.2	23.2	24.3	24.7	24.9	25.7	25.7	25.7	25.9	25.9	26.0	26.5
≥ 16000		17.4	19.0	20.6	23.2	23.2	24.3	24.7	24.9	25.7	25.7	25.7	25.9	25.9	26.0	26.5
≥ 14000		17.6	19.2	20.9	23.4	23.4	24.5	24.9	25.2	25.9	25.9	25.9	26.1	26.1	26.2	26.7
≥ 12000		17.8	19.5	21.1	23.7	23.7	24.7	25.2	25.4	26.1	26.1	26.1	26.3	26.3	26.5	26.9
≥ 10000		18.9	21.5	22.3	24.8	24.8	25.9	26.3	26.6	27.3	27.3	27.3	27.5	27.5	27.6	28.1
≥ 9000		19.9	21.5	23.4	26.1	26.1	27.2	27.6	27.8	28.6	28.6	28.6	28.8	28.8	28.9	29.4
≥ 8000		25.4	27.2	29.6	32.4	32.4	33.4	33.9	34.2	35.1	35.1	35.1	35.3	35.3	35.4	35.8
≥ 7000		27.3	29.1	31.5	34.3	34.3	35.5	36.0	36.3	37.2	37.2	37.2	37.4	37.4	37.5	38.0
≥ 6000		28.7	30.6	33.0	35.9	35.9	37.1	37.6	38.0	38.8	38.8	38.8	39.0	39.0	39.1	39.6
≥ 5000		30.6	32.6	34.9	38.0	38.0	39.1	39.8	40.2	41.2	41.2	41.2	41.4	41.4	41.5	41.9
≥ 4500		34.7	37.3	40.0	43.5	43.7	45.1	45.7	46.2	47.3	47.3	47.3	47.5	47.5	47.6	48.1
≥ 4000		37.7	40.4	43.9	48.2	48.3	49.9	50.5	51.1	52.2	52.2	52.2	52.4	52.4	52.5	53.0
≥ 3500		41.3	44.3	47.7	52.7	52.8	54.4	55.1	55.6	56.7	56.7	56.7	56.9	56.9	57.0	57.5
≥ 3000		44.9	48.7	52.7	58.4	58.5	60.1	60.9	61.4	62.6	62.6	62.6	62.8	62.8	62.9	63.4
≥ 2500		48.0	52.6	57.4	63.9	64.0	65.9	66.8	67.3	68.5	68.5	68.5	68.7	68.7	68.8	69.4
≥ 2000		52.6	57.5	63.3	71.6	71.7	74.8	75.9	76.7	78.5	78.5	78.5	78.7	78.7	78.8	79.4
≥ 1800		53.8	59.7	64.9	73.3	73.4	77.0	78.1	78.8	80.6	80.6	80.6	80.9	80.9	81.0	81.5
≥ 1500		55.6	61.3	68.1	76.5	76.6	80.9	82.0	82.8	84.6	84.6	84.6	85.2	85.2	85.3	85.8
≥ 1200		55.9	61.6	68.6	77.2	77.3	81.9	83.1	83.9	85.7	86.1	86.1	86.3	86.3	86.5	87.0
≥ 1000		56.6	62.7	69.7	78.4	78.6	83.3	84.5	85.4	87.3	87.7	87.7	88.0	88.0	88.1	88.6
≥ 900		57.2	63.5	70.6	79.5	79.7	84.7	86.0	86.9	88.8	89.2	89.2	89.5	89.6	89.7	90.2
≥ 800		57.4	63.9	71.3	80.2	80.4	85.6	86.9	87.7	89.7	90.1	90.1	90.3	90.4	90.5	91.1
≥ 700		57.5	64.1	71.4	81.1	81.3	86.5	87.7	88.6	90.5	91.0	91.0	91.2	91.3	91.4	91.9
≥ 600		57.6	64.1	71.5	81.6	81.8	87.2	88.5	89.5	91.9	92.4	92.4	92.6	92.7	92.8	93.3
≥ 500		57.6	64.2	71.7	82.5	82.7	88.2	89.5	90.4	93.3	93.8	93.8	94.0	94.1	94.2	94.7
≥ 400		57.6	64.2	71.7	82.6	82.8	88.4	89.8	90.8	93.7	94.7	94.9	95.4	95.5	95.6	96.1
≥ 300		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.5	96.0	96.1	96.2	96.9
≥ 200		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.7	96.5	96.7	96.8	98.0
≥ 100		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.8	96.6	97.0	97.3	99.1
≥ 0		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.8	96.6	97.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 933

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34442

HEIDELBERG AAF DL

69-70,74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		11.8	13.1	14.6	16.8	17.0	18.2	18.9	19.2	19.7	19.8	19.8	19.9	20.1	20.1	20.2
≥ 20000		12.7	14.1	15.9	18.2	18.4	19.7	20.4	20.8	21.2	21.3	21.3	21.4	21.6	21.6	21.7
≥ 18000		13.4	14.9	16.8	19.1	19.4	20.6	21.4	21.7	22.3	22.4	22.4	22.5	22.7	22.7	22.8
≥ 16000		13.4	14.8	16.8	19.1	19.4	20.6	21.4	21.7	22.3	22.4	22.4	22.5	22.7	22.7	22.8
≥ 14000		13.7	15.1	17.0	19.4	19.6	20.9	21.6	21.9	22.5	22.6	22.6	22.7	22.9	22.9	23.0
≥ 12000		13.9	15.3	17.2	19.6	19.8	21.1	21.8	22.2	22.7	22.8	22.8	22.9	23.1	23.1	23.2
≥ 10000		14.8	16.3	18.3	20.9	21.1	22.4	23.2	23.7	24.2	24.3	24.3	24.4	24.6	24.6	24.7
≥ 9000		15.9	17.7	19.7	22.5	22.7	24.0	24.8	25.4	25.9	26.0	26.0	26.1	26.3	26.3	26.5
≥ 8000		21.0	23.3	25.3	28.4	28.6	29.9	30.9	31.4	31.9	32.0	32.0	32.2	32.4	32.4	32.5
≥ 7000		22.3	24.6	26.7	29.8	30.0	31.3	32.3	32.8	33.3	33.4	33.4	33.5	33.8	33.8	33.9
≥ 6000		22.5	24.9	27.1	30.2	30.4	31.7	32.7	33.2	33.8	33.9	33.9	34.1	34.3	34.3	34.4
≥ 5000		25.2	27.7	30.2	33.5	33.8	35.1	36.0	36.6	37.1	37.2	37.2	37.4	37.6	37.6	37.7
≥ 4500		29.0	32.0	34.6	38.4	38.6	40.0	41.0	41.5	42.0	42.2	42.2	42.4	42.6	42.6	42.7
≥ 4000		30.9	34.3	37.3	42.0	42.3	43.8	44.7	45.3	45.8	45.9	45.9	46.1	46.3	46.3	46.5
≥ 3500		33.7	37.3	41.0	46.5	46.7	48.3	49.2	49.8	50.4	50.5	50.5	50.8	51.0	51.0	51.1
≥ 3000		37.0	41.1	44.8	50.9	51.1	52.9	54.0	54.5	55.2	55.3	55.3	55.5	55.7	55.7	55.8
≥ 2500		42.4	46.8	51.2	58.9	59.1	61.4	62.5	63.0	63.8	63.9	63.9	64.1	64.3	64.3	64.4
≥ 2000		46.8	52.5	58.5	68.1	68.4	71.7	73.2	73.8	75.3	75.4	75.4	75.6	75.8	75.8	75.9
≥ 1800		48.0	53.8	59.8	69.4	69.7	73.3	74.8	75.4	76.9	77.0	77.0	77.2	77.4	77.4	77.5
≥ 1500		50.6	56.8	63.2	73.5	73.9	78.4	80.0	80.8	82.3	82.6	82.6	82.8	83.0	83.0	83.1
≥ 1200		51.5	58.2	64.7	75.4	75.8	80.4	82.2	83.0	84.6	84.9	84.9	85.2	85.4	85.4	85.5
≥ 1000		52.2	59.2	66.6	77.4	77.8	82.7	84.6	85.6	87.4	87.8	87.8	88.1	88.3	88.3	88.4
≥ 900		52.5	59.8	67.2	78.3	78.7	83.8	85.8	86.8	88.6	89.0	89.0	89.2	89.5	89.5	89.6
≥ 800		52.7	60.0	67.7	78.9	79.5	84.6	86.7	87.6	89.5	90.0	90.0	90.2	90.4	90.4	90.5
≥ 700		52.7	60.0	67.7	79.2	79.8	85.1	87.1	88.1	89.9	90.4	90.4	90.8	91.0	91.0	91.1
≥ 600		52.7	60.0	67.7	79.8	80.3	86.1	88.4	89.4	91.6	92.2	92.2	92.5	92.7	92.7	92.8
≥ 500		52.7	60.1	67.8	80.1	80.6	86.7	88.9	89.9	92.5	93.1	93.1	93.4	93.7	93.9	94.0
≥ 400		52.7	60.1	67.8	80.2	80.8	87.0	89.2	90.4	93.1	93.8	93.8	94.1	94.5	94.7	94.9
≥ 300		52.7	60.1	67.8	80.3	80.9	87.2	89.6	90.9	93.5	94.2	94.2	94.7	95.3	95.5	96.1
≥ 200		52.7	60.1	67.8	80.3	80.9	87.2	89.6	91.0	93.7	94.3	94.4	95.3	96.1	96.3	98.0
≥ 100		52.7	60.1	67.8	80.3	80.9	87.2	89.6	91.0	93.7	94.3	94.4	95.3	96.2	96.5	99.0
≥ 0		52.7	60.1	67.8	80.3	80.9	87.2	89.6	91.0	93.7	94.3	94.4	95.3	96.2	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

69-77,74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		9.2	11.0	11.6	14.3	14.7	17.1	18.0	18.6	19.5	19.8	19.9	19.9	20.1	20.1	20.1
≥ 20000		11.8	13.5	14.6	17.7	18.2	20.8	21.6	22.3	23.2	23.5	23.7	23.7	23.9	23.9	23.9
≥ 18000		11.8	13.5	14.6	17.8	18.3	20.9	21.7	22.5	23.5	23.9	24.0	24.0	24.2	24.2	24.2
≥ 16000		11.9	13.7	14.7	18.0	18.4	21.0	21.8	22.6	23.7	24.0	24.1	24.1	24.3	24.3	24.3
≥ 14000		12.4	14.1	15.2	18.4	18.8	21.4	22.3	23.1	24.2	24.5	24.6	24.6	24.8	24.8	24.8
≥ 12000		13.0	14.8	15.9	19.1	19.6	22.2	23.0	23.8	25.1	25.4	25.5	25.5	25.7	25.7	25.7
≥ 10000		14.2	16.1	17.3	20.9	21.5	24.2	25.2	25.9	27.2	27.5	27.6	27.6	27.8	27.8	27.8
≥ 9000		15.6	17.6	19.1	23.2	23.9	26.6	27.7	28.5	29.8	30.1	30.2	30.2	30.4	30.4	30.4
≥ 8000		18.5	21.2	22.7	27.2	27.8	30.6	32.0	32.8	34.2	34.5	34.6	34.6	34.8	34.8	34.8
≥ 7000		19.8	22.5	24.0	28.7	29.4	32.2	33.5	34.3	35.7	36.1	36.1	36.1	36.3	36.3	36.3
≥ 6000		20.3	23.2	24.8	29.7	30.3	33.1	34.5	35.3	36.7	37.0	37.1	37.1	37.3	37.4	37.4
≥ 5000		21.2	24.3	25.9	31.2	31.8	34.6	36.1	36.9	38.3	38.7	38.8	38.8	39.0	39.2	39.2
≥ 4500		26.6	30.4	32.2	36.2	38.8	41.7	43.3	44.1	45.5	45.9	46.0	46.0	46.2	46.5	46.5
≥ 4000		29.0	33.3	35.6	41.8	42.5	45.5	47.1	48.0	49.4	49.8	49.9	49.9	50.1	50.3	50.3
≥ 3500		31.5	36.2	38.5	45.2	45.9	48.9	50.6	51.5	53.1	53.5	53.7	53.7	53.9	54.1	54.1
≥ 3000		33.7	38.5	41.3	48.8	49.6	53.0	55.1	55.9	57.6	58.1	58.3	58.3	58.6	58.8	58.8
≥ 2500		36.9	42.7	45.4	54.8	55.7	59.6	61.9	62.8	64.5	65.1	65.3	65.3	65.6	65.8	65.8
≥ 2000		40.2	46.3	50.8	63.5	64.7	69.6	73.1	74.0	76.0	76.6	76.8	76.8	77.1	77.3	77.3
≥ 1800		41.4	47.7	52.4	65.6	66.8	71.7	75.4	76.2	78.3	78.8	79.0	79.0	79.4	79.6	79.6
≥ 1500		42.4	49.2	54.6	69.0	70.2	76.2	80.1	81.1	83.2	83.8	84.0	84.0	84.3	84.5	84.5
≥ 1200		43.3	51.5	56.2	71.2	72.6	78.7	82.6	83.5	85.8	86.3	86.6	86.6	86.9	87.1	87.1
≥ 1000		44.3	51.6	57.5	72.8	74.2	80.5	84.4	85.8	88.8	89.5	89.7	89.8	90.1	90.3	90.3
≥ 900		44.4	51.7	57.6	72.9	74.3	80.8	84.6	86.0	89.0	89.7	89.9	90.0	90.3	90.5	90.5
≥ 800		44.5	51.8	57.7	73.2	74.6	81.2	85.2	86.6	89.7	90.3	90.5	90.6	91.0	91.2	91.2
≥ 700		44.5	51.8	57.7	73.7	75.1	82.0	86.1	87.5	90.9	91.5	91.8	91.9	92.4	92.6	92.6
≥ 600		44.5	51.8	57.7	74.0	75.4	82.6	86.8	88.2	91.7	92.7	93.0	93.3	93.8	94.0	94.0
≥ 500		44.5	51.8	57.7	74.3	75.7	82.9	87.2	88.6	92.4	93.3	93.9	94.2	94.8	95.1	95.1
≥ 400		44.5	51.8	57.7	74.3	75.7	82.9	87.4	88.8	92.6	93.7	94.4	94.8	95.6	95.8	95.8
≥ 300		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.0	94.8	95.4	96.2	96.6	96.7
≥ 200		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.0	94.9	95.7	96.7	97.4	98.1
≥ 100		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.0	94.9	95.7	96.7	97.7	99.4
≥ 0		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.0	94.9	95.7	96.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 931

OFFICIAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3-4

HEIDELBERG AAF DL

69-70,74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		12.6	13.2	13.6	15.8	16.5	17.7	18.6	18.7	19.5	19.7	19.8	20.0	20.0	20.0	20.0
≥ 20000		16.0	16.9	17.7	20.0	20.8	22.5	23.3	23.7	24.4	24.6	24.7	24.9	24.9	24.9	24.9
≥ 18000		16.0	16.9	17.7	20.0	20.8	22.5	23.3	23.7	24.4	24.6	24.7	24.9	24.9	24.9	24.9
≥ 16000		16.0	16.9	17.7	20.0	20.8	22.5	23.3	23.7	24.4	24.6	24.7	24.9	24.9	24.9	24.9
≥ 14000		16.7	17.1	18.5	20.2	21.0	22.7	23.5	23.9	24.7	24.9	25.1	25.3	25.3	25.3	25.3
≥ 12000		16.7	17.5	18.5	21.0	21.7	23.5	24.4	24.7	25.6	25.8	25.9	26.1	26.1	26.1	26.1
≥ 10000		18.9	20.0	21.2	23.8	24.7	26.7	27.5	27.8	28.9	29.1	29.2	29.5	29.5	29.5	29.5
≥ 9000		20.1	21.3	22.8	25.7	27.0	28.9	29.8	30.1	31.2	31.4	31.5	31.7	31.7	31.8	32.0
≥ 8000		23.5	24.8	26.7	31.2	31.5	33.4	34.6	35.2	36.7	36.9	37.0	37.4	37.4	37.5	37.7
≥ 7000		24.1	25.8	27.6	31.5	32.9	34.8	36.0	36.6	38.1	38.3	38.4	38.8	38.8	38.9	39.1
≥ 6000		24.3	26.0	27.8	31.7	33.1	35.2	36.3	36.9	38.6	38.8	38.9	39.4	39.4	39.5	39.7
≥ 5000		26.7	28.5	30.6	34.5	35.9	38.3	39.7	40.2	41.9	42.2	42.3	42.7	42.7	42.8	43.0
≥ 4500		31.1	33.3	35.6	39.7	41.1	43.5	44.9	45.5	47.2	47.4	47.5	48.0	48.0	48.1	48.3
≥ 4000		35.2	38.1	40.4	44.7	46.2	48.8	50.2	50.8	52.5	52.7	52.8	53.2	53.2	53.3	53.5
≥ 3500		38.4	41.5	44.2	49.4	50.9	53.8	55.2	55.7	57.5	57.7	57.8	58.3	58.3	58.4	58.6
≥ 3000		42.9	46.2	49.2	55.8	57.4	60.4	62.2	62.7	64.5	64.7	64.8	65.3	65.3	65.4	65.6
≥ 2500		46.0	49.6	52.9	60.6	62.3	65.4	67.2	67.7	69.8	70.0	70.1	70.5	70.6	70.8	71.1
≥ 2000		50.1	54.4	59.4	68.6	70.3	74.1	76.6	77.2	79.7	80.0	80.1	80.5	80.6	80.8	81.1
≥ 1800		51.5	55.9	61.0	70.4	72.2	76.0	78.5	79.1	81.7	82.0	82.2	82.6	82.7	82.8	83.0
≥ 1500		52.7	57.8	63.2	73.8	75.5	79.9	82.4	83.0	85.7	86.0	86.1	86.6	86.7	86.8	87.1
≥ 1200		54.1	59.5	64.9	75.8	77.5	82.4	84.8	85.5	88.3	88.6	88.7	89.1	89.2	89.4	89.6
≥ 1000		54.9	60.4	66.2	77.1	78.8	84.1	87.0	87.6	90.4	90.8	90.9	91.3	91.5	91.6	91.8
≥ 900		54.9	60.4	66.2	77.3	79.0	84.3	87.2	87.8	90.8	91.1	91.2	91.6	91.8	91.9	92.2
≥ 800		54.9	60.4	66.5	77.6	79.6	85.1	88.0	88.6	91.7	92.2	92.3	92.7	92.9	93.0	93.2
≥ 700		55.2	60.6	66.7	78.1	80.0	85.7	88.9	89.6	92.9	93.8	93.9	94.4	94.6	94.7	94.9
≥ 600		55.2	60.6	66.7	78.5	80.4	86.2	89.7	90.3	93.8	94.8	94.9	95.5	95.7	95.8	96.0
≥ 500		55.2	60.6	66.7	78.5	80.4	86.2	89.7	90.4	94.0	95.3	95.4	95.9	96.2	96.3	96.6
≥ 400		55.2	60.6	66.7	78.5	80.4	86.2	89.8	90.5	94.4	95.8	95.9	96.5	97.0	97.4	97.6
≥ 300		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	96.9	97.6	98.1	98.3
≥ 200		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	97.0	98.0	98.4	98.7
≥ 100		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	97.0	98.0	98.4	99.7
≥ 0		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	97.0	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 48

HEIDELBERG AAF DL

69-70, 74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		14.9	16.6	17.1	19.8	20.0	21.1	21.3	21.7	22.5	22.5	22.5	22.6	22.7	22.7	22.8
≥ 20000		17.7	20.2	21.1	24.2	24.4	25.6	25.9	26.3	27.2	27.2	27.4	27.5	27.6	27.6	27.7
≥ 18000		17.7	20.2	21.1	24.2	24.4	25.6	25.9	26.3	27.2	27.2	27.4	27.5	27.6	27.6	27.7
≥ 16000		17.8	20.3	21.2	24.3	24.5	25.7	26.0	26.5	27.3	27.3	27.5	27.6	27.7	27.7	27.8
≥ 14000		18.3	20.8	21.6	24.7	24.9	26.1	26.5	26.9	27.7	27.7	28.0	28.1	28.2	28.2	28.3
≥ 12000		18.9	21.5	22.4	25.5	25.7	26.9	27.2	27.7	28.6	28.6	28.8	28.9	29.0	29.0	29.1
≥ 10000		21.5	24.5	25.6	29.4	29.7	30.9	31.2	31.7	32.7	32.7	32.9	33.0	33.1	33.1	33.2
≥ 9000		22.4	25.8	27.3	31.1	31.5	32.8	33.1	33.7	34.6	34.6	34.8	34.9	35.1	35.1	35.3
≥ 8000		26.0	29.6	31.3	35.3	35.9	37.5	38.1	38.8	39.9	40.0	40.2	40.5	40.6	40.6	41.0
≥ 7000		23.5	32.3	34.0	38.0	38.6	40.2	40.8	41.5	42.6	42.7	42.9	43.2	43.3	43.3	43.7
≥ 6000		28.9	32.8	34.5	38.5	39.1	41.0	41.5	42.3	43.3	43.4	43.7	44.0	44.1	44.1	44.4
≥ 5000		31.1	35.2	37.2	41.2	41.8	43.8	44.4	45.2	46.2	46.3	46.6	46.9	47.0	47.0	47.3
≥ 4500		34.9	39.5	41.7	45.9	46.6	48.7	49.4	50.1	51.2	51.3	51.5	51.8	51.9	51.9	52.3
≥ 4000		33.8	43.7	46.1	50.5	51.2	53.3	54.1	54.8	55.9	56.0	56.3	56.8	56.9	56.9	57.2
≥ 3500		43.0	43.1	51.0	55.9	56.6	58.8	59.6	60.3	61.4	61.5	61.8	62.3	62.4	62.4	62.8
≥ 3000		43.4	53.8	57.1	62.9	63.5	65.9	66.8	67.5	68.7	68.8	69.1	69.6	69.7	69.8	70.2
≥ 2500		50.8	56.2	59.8	67.1	67.8	70.2	71.2	71.9	73.5	73.7	74.3	74.7	74.8	74.9	75.4
≥ 2000		54.5	61.6	65.6	74.3	75.1	78.0	79.0	80.0	81.7	81.8	82.5	82.9	83.1	83.2	83.7
≥ 1800		54.6	60.9	66.0	74.9	75.7	78.9	80.0	81.0	82.8	83.1	83.8	84.2	84.4	84.5	84.9
≥ 1500		55.8	62.6	68.1	77.5	78.3	81.9	83.4	84.4	86.2	86.6	87.2	87.7	88.0	88.1	88.5
≥ 1200		56.8	64.1	70.0	80.3	81.1	84.7	86.3	87.3	89.1	89.5	90.2	90.8	91.0	91.1	91.5
≥ 1000		57.1	64.6	70.8	81.5	82.3	86.2	88.1	89.1	91.0	91.3	92.0	92.6	92.8	92.9	93.3
≥ 900		57.1	64.6	70.8	81.6	82.4	86.3	88.2	89.1	91.1	91.5	92.3	92.8	93.0	93.1	93.5
≥ 800		57.2	64.7	70.9	81.7	82.5	86.7	88.6	89.6	91.6	92.2	92.9	93.4	93.8	93.9	94.3
≥ 700		57.2	64.7	70.9	82.0	82.8	87.2	89.5	90.4	92.7	93.3	94.1	94.6	94.9	95.1	95.5
≥ 600		57.2	64.7	70.9	82.0	82.8	87.2	89.6	90.5	93.0	93.8	94.5	95.1	95.4	95.5	95.9
≥ 500		57.2	64.7	70.9	82.2	82.9	87.3	89.7	90.9	93.7	94.4	95.3	95.9	96.5	96.6	97.0
≥ 400		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.1	94.2	94.9	95.9	96.7	97.2	97.3	97.7
≥ 300		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.1	98.5
≥ 200		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.2	98.6
≥ 100		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.2	99.5
≥ 0		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS

93

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

69-70,74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		15.2	17.5	18.3	21.5	21.6	23.0	23.3	23.8	24.1	24.1	24.1	24.2	24.2	24.2	24.2
≥ 20000		19.5	21.4	22.6	25.9	26.0	27.4	27.7	28.2	28.5	28.5	28.5	28.8	28.8	28.8	28.8
≥ 18000		19.6	21.5	22.7	26.0	26.1	27.5	27.8	28.3	28.6	28.6	28.6	28.9	28.9	28.9	28.9
≥ 16000		19.6	21.5	22.7	26.0	26.1	27.5	27.8	28.3	28.6	28.6	28.6	28.9	28.9	28.9	28.9
≥ 14000		19.7	21.6	22.8	26.1	26.2	27.6	28.0	28.4	28.7	28.7	28.7	29.0	29.0	29.0	29.0
≥ 12000		20.3	22.3	23.4	26.8	26.9	28.3	28.6	29.0	29.4	29.4	29.4	29.7	29.7	29.7	29.7
≥ 10000		21.8	24.0	25.3	28.6	28.7	31.1	30.4	31.9	31.2	31.2	31.2	31.5	31.5	31.5	31.5
≥ 9000		23.1	25.6	27.1	30.4	30.5	31.9	32.3	32.7	33.0	33.0	33.0	33.3	33.3	33.3	33.3
≥ 8000		24.4	31.6	33.9	37.3	37.6	39.2	39.9	40.4	40.8	40.8	40.8	41.2	41.3	41.4	41.4
≥ 7000		29.6	32.9	35.2	38.7	39.0	40.6	41.3	41.8	42.2	42.2	42.2	42.6	42.7	42.8	42.8
≥ 6000		31.3	33.8	36.1	39.8	40.1	41.8	42.5	43.0	43.3	43.4	43.5	44.0	44.1	44.2	44.2
≥ 5000		32.9	36.9	39.2	42.9	43.2	44.9	45.6	46.1	46.5	46.6	46.7	47.1	47.2	47.3	47.3
≥ 4500		37.1	41.3	44.2	48.0	48.3	50.1	50.9	51.4	51.8	51.9	52.0	52.5	52.6	52.7	52.7
≥ 4000		41.4	46.1	49.4	53.7	54.0	55.8	56.7	57.2	57.6	57.7	57.8	58.3	58.4	58.5	58.5
≥ 3500		44.1	48.8	52.6	57.2	57.5	59.4	60.2	60.8	61.2	61.3	61.4	61.8	61.9	62.0	62.0
≥ 3000		48.5	53.3	57.8	63.5	64.0	65.9	67.4	68.0	68.5	68.6	68.7	69.1	69.2	69.4	69.4
≥ 2500		51.8	56.9	61.9	68.5	68.9	70.9	72.7	73.2	74.0	74.1	74.2	74.6	74.7	74.8	74.8
≥ 2000		55.9	61.2	68.1	75.9	76.3	79.1	81.4	82.3	83.0	83.2	83.4	83.9	84.1	84.2	84.2
≥ 1800		56.5	61.7	68.8	77.0	77.4	80.3	82.6	83.4	84.3	84.5	84.7	85.2	85.4	85.5	85.5
≥ 1500		57.2	63.1	70.3	79.7	80.1	83.2	85.7	86.6	87.6	87.8	88.1	88.5	88.7	88.8	88.8
≥ 1200		58.0	64.3	71.9	81.8	82.4	85.9	88.5	89.4	90.6	90.9	91.1	91.5	91.7	91.8	91.8
≥ 1000		58.2	64.6	72.5	82.5	83.0	86.9	89.6	90.4	91.7	92.0	92.3	92.7	92.9	93.0	93.0
≥ 900		58.3	64.7	72.6	82.6	83.1	87.0	89.7	90.5	91.8	92.2	92.4	92.8	93.0	93.1	93.1
≥ 800		58.4	64.8	72.7	83.1	83.7	87.5	90.3	91.2	92.5	92.8	93.0	93.4	93.7	93.8	93.8
≥ 700		58.4	64.8	72.7	83.2	83.8	88.0	90.8	91.6	92.9	93.2	93.4	94.0	94.2	94.3	94.3
≥ 600		58.4	64.8	72.7	83.3	83.9	88.6	91.4	92.3	93.5	93.9	94.1	94.6	94.8	94.9	94.9
≥ 500		58.4	64.8	72.7	83.7	84.2	89.1	91.9	92.8	94.2	94.6	95.1	95.6	95.8	95.9	95.9
≥ 400		58.5	64.9	72.8	83.8	84.3	89.2	92.0	92.9	94.5	95.4	95.6	96.2	96.5	96.6	96.6
≥ 300		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.5	96.8	97.6	97.8	98.0	98.1
≥ 200		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.7	97.0	97.8	98.1	98.3	98.4
≥ 100		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.7	97.0	97.8	98.1	98.6	99.6
≥ 0		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.7	97.0	97.8	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

937

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 41

HEIDELBERG AAF DL

69-70, 74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4
NO CEILING		17.1	19.1	19.9	22.3	22.5	24.0	24.4	24.4	24.8	24.8	24.9	25.3	25.3	25.3	25.6
≥ 20000		18.9	21.2	21.9	24.3	24.5	26.0	26.5	26.5	26.9	26.9	27.0	27.3	27.3	27.3	27.5
≥ 18000		18.9	21.2	21.9	24.3	24.5	26.0	26.5	26.5	26.9	26.9	27.0	27.3	27.3	27.3	27.5
≥ 16000		18.9	21.2	21.9	24.3	24.5	26.0	26.5	26.5	26.9	26.9	27.0	27.3	27.3	27.3	27.5
≥ 14000		19.1	21.3	22.1	24.4	24.6	26.1	26.6	26.6	27.0	27.0	27.1	27.4	27.4	27.4	27.6
≥ 12000		19.1	21.4	22.2	24.5	24.7	26.2	26.7	26.7	27.1	27.1	27.2	27.5	27.5	27.5	27.7
≥ 10000		20.5	22.9	23.8	26.1	26.3	27.8	28.3	28.3	28.7	28.7	28.8	29.1	29.1	29.1	29.4
≥ 9000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 8000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 7000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 6000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 5000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 4500		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 4000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 3500		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 3000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 2500		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 2000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 1800		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 1600		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 1400		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 1200		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 1000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 900		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 800		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 700		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 600		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 500		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 400		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 300		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 200		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 100		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 0		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3

TOTAL NUMBER OF OBSERVATIONS 93

OFFICIAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3-40

HEIDELBERG AAF, GL

69-70, 74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		14.4	15.8	16.8	19.2	19.5	20.8	21.5	21.8	22.3	22.4	22.5	22.6	22.7	22.7	22.9
≥ 20000		16.6	18.2	19.5	22.1	22.3	23.8	24.5	24.8	25.4	25.5	25.6	25.7	25.8	25.8	26.0
≥ 18000		16.8	18.5	19.8	22.4	22.6	24.1	24.8	25.1	25.7	25.9	25.9	26.1	26.2	26.2	26.3
≥ 16000		16.8	18.5	19.8	22.4	22.7	24.2	24.8	25.1	25.8	25.9	25.9	26.1	26.2	26.2	26.4
≥ 14000		17.1	18.8	20.0	22.7	22.9	24.4	25.0	25.4	26.0	26.1	26.2	26.4	26.5	26.5	26.6
≥ 12000		17.5	19.2	20.5	23.2	23.4	24.9	25.5	25.9	26.6	26.7	26.8	26.9	27.0	27.0	27.2
≥ 10000		19.1	20.9	22.4	25.2	25.5	27.0	27.7	28.0	28.8	28.9	28.9	29.1	29.2	29.2	29.3
≥ 9000		20.2	22.3	23.9	26.9	27.3	28.8	29.5	29.9	30.6	30.7	30.8	31.0	31.1	31.1	31.3
≥ 8000		24.8	27.2	29.2	32.4	32.9	34.5	35.4	35.9	36.8	36.9	37.0	37.2	37.3	37.4	37.6
≥ 7000		26.2	28.7	30.8	34.1	34.6	36.3	37.1	37.7	38.6	38.7	38.7	39.0	39.1	39.1	39.3
≥ 6000		26.9	29.5	31.6	35.1	35.5	37.2	38.1	38.6	39.5	39.7	39.8	40.0	40.1	40.2	40.4
≥ 5000		29.8	31.8	34.1	37.7	38.1	39.9	40.9	41.4	42.4	42.5	42.6	42.9	42.9	43.0	43.2
≥ 4500		33.2	36.5	39.1	43.0	43.5	45.4	46.4	47.0	48.0	48.2	48.2	48.5	48.6	48.6	48.9
≥ 4000		36.5	40.2	43.1	47.8	48.3	50.2	51.3	51.9	52.9	53.1	53.2	53.4	53.5	53.6	53.8
≥ 3500		37.6	43.5	46.7	51.9	52.4	54.4	55.5	56.1	57.2	57.3	57.4	57.7	57.8	57.9	58.1
≥ 3000		43.6	47.9	51.5	57.4	58.0	60.1	61.5	62.1	63.2	63.4	63.5	63.8	63.9	64.0	64.2
≥ 2500		47.0	51.7	55.9	63.0	63.6	66.0	67.6	68.2	69.4	69.6	69.7	70.0	70.1	70.2	70.5
≥ 2000		51.4	56.0	62.4	71.3	71.9	75.1	77.2	78.0	79.5	79.7	79.9	80.2	80.3	80.4	80.6
≥ 1800		52.2	57.8	63.4	72.5	73.2	76.6	78.8	79.6	81.2	81.4	81.6	81.9	82.0	82.1	82.3
≥ 1500		53.6	59.7	65.8	75.8	76.4	80.4	82.8	83.6	85.3	85.6	85.8	86.1	86.2	86.3	86.6
≥ 1200		54.4	60.8	67.1	77.5	78.2	82.5	84.9	85.8	87.5	87.9	88.1	88.4	88.5	88.6	88.8
≥ 1000		55.0	61.6	68.2	78.7	79.5	84.0	86.6	87.5	89.5	89.9	90.1	90.4	90.6	90.7	90.9
≥ 900		55.2	61.9	68.5	79.2	80.0	84.5	87.2	88.1	90.2	90.6	90.8	91.1	91.2	91.3	91.6
≥ 800		55.4	62.1	68.7	79.6	80.5	85.2	87.9	88.8	91.0	91.4	91.6	91.9	92.1	92.2	92.4
≥ 700		55.5	62.2	68.9	80.1	80.9	85.8	88.6	89.6	91.8	92.3	92.5	92.9	93.1	93.2	93.4
≥ 600		55.5	62.2	68.9	80.4	81.2	86.4	89.3	90.3	92.7	93.3	93.5	93.9	94.1	94.2	94.5
≥ 500		55.5	62.2	69.0	80.7	81.6	86.9	89.8	90.8	93.6	94.3	94.5	95.0	95.2	95.4	95.6
≥ 400		55.5	62.2	69.0	80.8	81.6	87.0	90.0	91.0	94.0	94.9	95.2	95.8	96.1	96.3	96.5
≥ 300		55.5	62.2	69.0	80.9	81.7	87.1	90.2	91.3	94.3	95.4	95.7	96.4	96.9	97.1	97.5
≥ 200		55.5	62.3	69.0	80.9	81.7	87.1	90.2	91.3	94.4	95.5	95.9	96.7	97.3	97.5	98.2
≥ 100		55.5	62.3	69.0	80.9	81.7	87.1	90.2	91.4	94.4	95.5	95.9	96.7	97.4	97.7	99.4
≥ 0		55.5	62.3	69.0	80.9	81.7	87.1	90.2	91.4	94.4	95.5	95.9	96.7	97.4	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

69-70,74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		22.1	23.2	25.8	29.8	30.3	31.2	31.3	31.4	31.7	31.7	32.2	32.2	32.4	32.4	32.6
≥ 20000		24.5	25.7	29.3	33.6	34.0	35.0	35.1	35.2	35.5	35.5	35.9	35.9	36.3	36.3	36.5
≥ 18000		24.5	25.7	29.3	33.6	34.0	35.0	35.1	35.2	35.5	35.5	35.9	35.9	36.3	36.3	36.5
≥ 16000		24.5	25.7	29.3	33.6	34.0	35.0	35.1	35.2	35.5	35.5	35.9	35.9	36.3	36.3	36.5
≥ 14000		24.5	25.7	29.3	33.7	34.2	35.1	35.2	35.3	35.6	35.6	36.1	36.1	36.4	36.4	36.6
≥ 12000		24.9	26.1	29.8	34.6	35.1	36.1	36.2	36.3	36.5	36.5	37.0	37.0	37.4	37.4	37.6
≥ 10000		26.6	27.8	31.6	36.8	37.2	38.5	38.7	38.8	39.3	39.3	39.5	39.5	39.8	39.8	40.1
≥ 9000		23.3	29.3	33.1	38.4	38.9	40.3	40.4	40.5	40.8	40.8	41.3	41.3	41.6	41.6	41.8
≥ 8000		32.7	34.2	38.2	44.1	44.6	46.2	46.3	46.5	46.7	46.7	47.2	47.2	47.5	47.5	47.8
≥ 7000		34.8	36.3	40.3	46.2	46.7	48.6	48.7	48.8	49.2	49.2	49.6	49.6	50.0	50.0	50.2
≥ 6000		35.7	37.2	41.3	47.5	48.0	50.0	50.1	50.2	50.6	50.6	51.1	51.1	51.4	51.4	51.7
≥ 5000		38.7	40.8	44.9	51.4	51.9	54.0	54.1	54.3	54.6	54.6	55.1	55.1	55.4	55.4	55.7
≥ 4500		43.6	45.9	50.5	57.6	58.0	60.2	60.3	60.4	60.8	60.8	61.2	61.2	61.6	61.6	61.8
≥ 4000		47.5	50.1	55.2	62.6	63.1	65.5	65.6	65.7	66.1	66.1	66.5	66.5	66.9	66.9	67.1
≥ 3500		50.5	53.3	59.0	66.8	67.3	69.7	69.9	70.1	70.4	70.4	70.9	70.9	71.3	71.3	71.5
≥ 3000		52.7	56.3	61.8	70.0	70.4	73.3	73.6	74.2	74.6	74.6	75.1	75.1	75.4	75.4	75.7
≥ 2500		55.3	58.7	64.7	72.9	73.5	76.7	77.2	77.8	78.3	78.3	78.7	78.7	79.1	79.1	79.3
≥ 2000		58.0	61.9	68.3	78.3	78.8	82.6	83.3	83.9	84.4	84.4	84.9	84.9	85.2	85.2	85.5
≥ 1800		58.4	62.4	68.8	79.4	80.0	84.5	85.2	85.8	86.3	86.4	86.9	86.9	87.2	87.2	87.5
≥ 1500		59.2	63.4	70.0	81.7	82.4	87.6	88.8	89.5	90.0	90.1	90.5	90.5	90.9	90.9	91.1
≥ 1200		59.7	64.1	70.7	82.7	83.5	88.7	90.2	90.9	91.4	91.5	92.0	92.0	92.3	92.3	92.6
≥ 1000		59.9	64.3	70.9	83.2	83.9	89.2	90.9	91.6	92.1	92.2	92.7	92.7	93.0	93.0	93.3
≥ 900		59.9	64.3	70.9	83.3	84.0	89.6	91.3	92.0	92.4	92.6	93.0	93.0	93.4	93.4	93.6
≥ 800		60.2	64.7	71.5	84.3	85.0	90.7	92.3	93.0	93.6	93.7	94.2	94.2	94.6	94.6	94.8
≥ 700		60.2	64.7	71.7	84.5	85.2	91.0	92.8	93.5	94.4	94.6	95.0	95.0	95.4	95.4	95.6
≥ 600		60.2	64.7	71.7	85.3	86.1	91.8	93.9	94.6	95.7	95.9	96.3	96.3	96.7	96.7	96.9
≥ 500		60.2	64.7	71.7	85.7	86.4	92.4	94.4	95.2	96.6	96.8	97.3	97.3	97.6	97.6	97.9
≥ 400		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.3	96.8	97.2	97.6	97.6	98.1	98.1	98.3
≥ 300		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.6	97.2	97.5	98.1	98.1	98.5	98.5	99.1
≥ 200		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.7	97.3	97.6	98.2	98.2	98.7	98.7	99.4
≥ 100		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.7	97.3	97.6	98.2	98.2	98.7	98.7	99.8
≥ 0		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.7	97.3	97.6	98.2	98.2	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 840

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

69-70,74-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000		22.1	22.5	26.5	26.8	28.5	29.9	29.9	30.4	30.4	30.7	31.7	31.0	31.1	31.1	
≥ 18000		22.6	23.9	24.9	29.0	29.3	31.1	32.5	32.5	33.0	33.0	33.3	33.3	33.6	33.7	33.7
≥ 16000		22.6	23.9	24.9	29.0	29.3	31.1	32.5	32.5	33.0	33.0	33.3	33.3	33.6	33.7	33.7
≥ 14000		22.6	23.9	24.9	29.1	29.4	31.2	32.6	32.6	33.1	33.1	33.5	33.5	33.7	33.8	33.8
≥ 12000		22.7	24.0	25.2	29.3	29.7	31.4	32.9	32.9	33.3	33.3	33.7	33.7	33.9	34.0	34.0
≥ 10000		24.8	26.1	28.3	32.6	33.0	35.0	36.4	36.4	36.9	36.9	37.2	37.2	37.5	37.6	37.6
≥ 9000		26.0	27.4	29.6	33.9	34.3	36.3	37.7	37.7	38.2	38.2	38.5	38.5	38.8	38.9	38.9
≥ 8000		31.5	31.9	34.2	39.1	39.5	41.7	43.1	43.1	43.6	43.6	44.0	44.1	44.3	44.4	44.4
≥ 7000		33.2	34.8	37.0	42.0	42.3	44.6	46.1	46.2	46.8	46.8	47.2	47.3	47.5	47.6	47.6
≥ 6000		33.8	35.0	37.2	42.6	42.9	45.3	46.8	46.9	47.5	47.5	47.9	48.0	48.2	48.3	48.3
≥ 5000		35.5	37.2	39.8	45.7	46.1	48.5	50.0	50.1	50.7	50.7	51.1	51.2	51.4	51.5	51.5
≥ 4500		41.3	43.1	45.9	52.7	53.1	55.6	57.1	57.2	57.8	57.8	58.2	58.3	58.5	58.6	58.6
≥ 4000		45.7	47.9	50.9	58.7	59.1	61.6	63.1	63.2	63.8	63.8	64.2	64.3	64.5	64.6	64.7
≥ 3500		47.1	51.7	55.7	63.9	64.3	66.9	68.7	68.8	69.4	69.4	69.7	69.9	70.1	70.2	70.2
≥ 3000		52.7	55.7	59.8	68.3	68.7	71.4	73.3	73.5	74.2	74.2	74.6	74.7	74.9	75.1	75.1
≥ 2500		53.7	57.3	61.3	70.1	70.4	73.5	75.4	75.7	76.4	76.4	76.7	76.8	77.1	77.2	77.2
≥ 2000		57.3	61.0	65.6	76.1	76.6	80.5	82.4	82.6	83.5	83.5	83.8	83.9	84.2	84.3	84.3
≥ 1800		57.6	61.6	66.2	77.3	77.8	81.8	83.7	83.9	84.9	84.9	85.2	85.3	85.6	85.7	85.7
≥ 1500		58.3	62.4	67.3	79.3	79.8	84.6	87.1	87.4	88.3	88.3	88.7	88.8	89.0	89.1	89.1
≥ 1200		58.6	62.9	68.1	80.4	80.9	85.9	89.0	89.2	90.2	90.2	90.5	90.7	90.9	91.0	91.0
≥ 1000		58.9	63.2	68.6	81.2	81.7	86.9	90.0	90.2	91.3	91.4	91.7	91.8	92.1	92.2	92.2
≥ 900		59.1	63.5	68.8	81.6	82.0	87.4	90.5	90.8	92.0	92.1	92.4	92.7	92.9	93.0	93.0
≥ 800		59.1	63.5	68.8	81.6	82.0	87.4	90.5	90.8	91.0	92.2	92.3	92.7	92.9	93.1	93.3
≥ 700		59.1	63.5	68.9	81.7	82.2	87.5	91.1	91.4	92.9	93.0	93.5	93.7	94.0	94.1	94.1
≥ 600		59.2	63.6	69.0	81.8	82.3	87.8	91.5	91.7	93.4	93.5	94.0	94.2	94.4	94.6	94.6
≥ 500		59.5	63.8	69.4	82.2	82.9	88.8	92.6	92.9	94.7	95.2	95.9	96.3	96.6	96.7	96.7
≥ 400		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.3	95.0	95.5	96.3	96.8	97.0	97.2	97.4
≥ 300		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.0	96.8	97.3	97.8	97.9	98.1
≥ 200		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.1	97.2	97.8	98.2	98.3	98.6
≥ 100		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.1	97.2	97.8	98.3	98.8	99.4
≥ 0		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.1	97.2	98.0	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

69-70,74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		18.3 19.1	21.1 21.0	21.9 23.0	25.1 26.5	25.4 26.8	26.6 28.0	27.2 28.7	27.4 29.0	28.6 30.1	28.8 30.4	29.0 30.5	29.1 30.6	29.3 30.9	29.3 30.9	29.3 30.9
≥ 18000 IV 18000		19.4 19.4	21.3 21.3	23.3 23.3	26.8 26.8	27.2 27.2	28.4 28.4	29.1 29.1	29.3 29.3	30.5 30.5	30.7 30.7	30.9 30.9	31.0 31.0	31.2 31.2	31.2 31.2	31.2 31.2
≥ 14000 IV 12000		19.5 19.6	21.4 21.5	23.5 23.6	27.1 27.4	27.4 27.8	28.6 29.0	29.3 29.7	29.6 29.9	30.7 31.1	31.0 31.3	31.1 31.4	31.2 31.6	31.4 31.8	31.4 31.8	31.4 31.8
≥ 10000 IV 9000		22.1 23.2	24.1 25.2	26.4 27.4	30.1 31.3	30.5 31.7	31.8 33.0	32.5 33.7	32.7 33.9	33.9 35.1	34.2 35.3	34.3 35.6	34.4 35.7	34.6 35.9	34.6 35.9	34.6 35.9
≥ 8000 IV 7000		27.3 29.2	29.4 31.3	31.8 33.8	36.3 38.3	36.6 38.7	38.1 40.1	38.8 41.0	39.0 41.3	40.3 42.7	40.5 42.9	40.8 43.3	40.9 43.4	41.3 43.7	41.4 43.9	41.4 43.9
IV 6000 IV 5000		29.0 31.2	31.7 33.7	34.3 36.4	38.9 41.3	39.2 41.6	40.7 43.3	41.6 44.2	41.8 44.4	43.4 46.0	43.6 46.2	44.0 46.6	44.1 46.7	44.4 47.0	44.6 47.2	44.6 47.2
IV 4500 IV 4000		35.3 39.7	38.1 42.3	41.8 45.9	46.5 52.4	47.0 53.1	48.7 54.8	48.7 56.1	50.0 56.4	51.8 58.0	52.1 58.4	52.5 58.7	52.6 58.9	53.0 59.2	53.0 59.3	53.2 59.5
IV 3500 IV 3000		41.4 45.4	45.2 49.8	48.7 53.5	55.9 61.7	56.6 61.7	58.5 64.1	59.8 65.5	60.0 66.1	61.7 67.7	62.1 68.1	62.4 68.4	62.5 68.7	62.9 69.0	63.0 69.1	63.1 69.3
IV 2500 IV 2000		42.3 52.7	52.8 57.6	57.5 62.2	65.1 72.1	65.8 72.9	68.7 76.2	70.2 77.9	70.8 78.6	72.5 80.3	72.8 80.6	73.2 81.0	73.4 81.2	73.6 81.6	73.9 81.7	74.0 81.8
IV 1800 IV 1500		53.0 53.2	58.5 59.3	63.6 64.7	73.8 75.9	74.6 76.7	78.0 80.6	79.7 83.3	80.4 84.0	82.0 85.7	82.4 86.1	82.7 86.4	83.0 86.6	83.3 87.7	83.5 87.1	83.6 87.2
IV 1200 IV 1000		53.9 54.1	59.5 59.7	65.0 65.5	76.8 77.4	77.8 78.4	82.0 83.1	85.1 86.3	85.9 87.4	87.7 89.2	88.1 89.7	88.4 90.1	88.7 90.4	89.0 90.8	89.1 91.9	89.2 91.0
IV 900 IV 800		54.4 54.5	59.9 60.0	65.8 66.0	77.9 78.7	78.8 79.7	83.6 84.6	87.0 88.1	88.1 89.1	90.0 91.0	90.5 91.6	90.9 92.0	91.3 92.3	91.6 92.7	91.7 92.8	91.8 92.9
IV 700 IV 600		54.7 54.7	60.3 60.3	66.2 66.3	79.1 79.2	80.3 80.5	85.3 85.6	88.8 89.1	90.0 90.3	92.3 92.8	93.1 93.6	93.5 94.3	93.9 94.7	94.2 95.0	94.3 95.2	94.4 95.3
IV 500 IV 400		54.7 54.7	60.3 60.3	66.3 66.3	79.2 79.3	80.6 80.7	85.9 86.2	89.5 90.0	90.7 91.3	93.3 93.9	94.1 94.7	94.9 95.6	95.3 96.3	95.6 96.7	95.7 97.0	95.9 97.3
IV 300 IV 200		54.7 54.7	60.3 60.3	66.3 66.3	79.4 79.4	80.9 80.9	86.4 86.4	90.3 90.3	91.6 91.6	94.2 94.2	95.2 95.3	96.1 96.2	96.5 96.6	97.3 97.5	97.6 97.9	97.8 98.3
IV 100 IV 0		54.7 54.7	60.3 60.3	66.3 66.3	79.4 79.4	80.9 80.9	86.4 86.4	90.4 90.4	91.7 91.7	94.3 94.3	95.4 95.4	96.3 96.3	96.7 96.7	97.6 97.9	98.3 98.7	98.9 99.0

TOTAL NUMBER OF OBSERVATIONS 840

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3-41

HEIDELBERG AAF DL

69-70, 74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		13.7	16.3	18.0	20.7	21.2	23.0	24.7	24.9	26.1	26.1	26.5	26.6	26.8	27.0	27.2
≥ 20000		13.3	19.1	21.0	24.2	24.8	26.8	28.6	28.8	30.0	30.1	30.5	30.6	30.9	31.1	31.2
≥ 18000		16.4	19.3	21.2	24.6	25.2	27.2	29.0	29.2	30.4	30.5	30.9	31.0	31.2	31.3	31.6
≥ 16000		16.5	19.4	21.3	24.8	25.4	27.4	29.2	29.4	30.6	30.7	31.1	31.2	31.4	31.6	31.8
≥ 14000		16.5	19.4	21.3	24.8	25.4	27.4	29.2	29.4	30.6	30.7	31.1	31.2	31.4	31.6	31.8
≥ 12000		17.1	22.0	22.1	25.7	26.4	28.4	30.1	30.4	31.6	31.7	32.0	32.2	32.4	32.5	32.7
≥ 10000		18.8	21.6	23.9	27.9	28.6	30.6	32.4	32.6	33.9	34.0	34.4	34.5	34.8	34.9	35.1
≥ 9000		19.4	22.3	24.7	28.8	29.6	31.7	33.7	33.9	35.2	35.3	35.7	35.8	36.1	36.2	36.4
≥ 8000		22.9	26.6	29.2	33.6	34.3	37.1	39.1	39.4	40.7	40.8	41.1	41.4	41.6	41.7	42.1
≥ 7000		24.7	28.6	31.2	36.1	36.8	39.8	41.8	42.1	43.4	43.6	44.0	44.3	44.6	44.7	45.0
≥ 6000		25.1	29.1	31.7	36.5	37.2	40.4	42.4	42.8	44.2	44.4	44.8	45.2	45.4	45.5	45.9
≥ 5000		28.0	32.6	35.5	40.5	41.3	44.4	46.8	47.2	48.6	48.8	49.2	49.5	49.8	49.9	50.2
≥ 4500		32.2	37.0	39.8	45.3	46.2	49.8	52.2	52.6	54.0	54.3	54.7	55.1	55.3	55.4	55.8
≥ 4000		33.8	40.8	43.7	49.6	50.6	54.4	56.9	57.2	58.6	58.9	59.3	59.7	59.9	60.0	60.4
≥ 3500		37.5	42.6	45.6	52.6	53.5	57.6	60.0	60.4	61.8	62.1	62.5	62.9	63.1	63.2	63.6
≥ 3000		40.8	46.2	49.3	56.5	57.6	62.3	65.1	65.5	66.9	67.1	67.6	68.1	68.3	68.4	68.8
≥ 2500		42.7	48.3	51.4	60.3	61.3	66.4	69.9	70.3	71.9	72.1	72.6	73.0	73.3	73.4	73.8
≥ 2000		44.9	51.3	55.6	66.1	67.3	72.7	76.7	77.3	78.8	79.1	79.6	80.0	80.3	80.4	80.7
≥ 1800		45.0	51.5	55.8	67.1	68.3	74.3	78.5	79.2	80.7	81.0	81.4	81.9	82.2	82.3	82.6
≥ 1500		45.5	52.0	56.4	69.1	70.4	77.0	81.6	82.4	84.3	84.5	85.0	85.5	85.7	85.8	86.2
≥ 1200		46.1	52.6	57.0	69.7	71.5	78.1	83.1	84.3	86.3	86.5	87.1	87.6	87.8	87.9	88.3
≥ 1000		46.2	52.8	57.2	70.2	72.0	78.8	84.4	85.6	88.1	88.3	89.0	89.6	89.8	90.0	90.3
≥ 900		46.3	53.1	57.4	70.6	72.3	79.4	85.2	86.4	88.9	89.1	89.8	90.4	90.7	90.8	91.1
≥ 800		46.6	53.3	57.7	71.0	72.8	80.3	86.1	87.6	90.2	90.7	91.4	92.0	92.2	92.3	92.7
≥ 700		46.6	53.4	57.9	71.4	73.4	81.0	86.9	88.8	91.7	92.3	93.0	93.7	94.2	94.4	94.8
≥ 600		46.6	53.4	58.2	71.7	73.8	81.3	87.6	89.5	92.4	93.0	93.9	94.7	95.2	95.6	96.0
≥ 500		46.6	53.4	58.2	72.0	74.0	81.6	87.8	90.0	92.9	93.5	94.4	95.3	95.7	96.2	96.6
≥ 400		46.6	53.4	58.2	72.3	74.3	82.0	88.4	90.5	94.0	94.6	95.5	96.5	96.9	97.4	97.8
≥ 300		46.6	53.4	58.2	72.3	74.3	82.0	88.5	90.7	94.1	94.8	95.7	96.8	97.3	97.8	98.1
≥ 200		46.6	53.4	58.2	72.3	74.3	82.2	88.7	90.9	94.3	95.0	96.3	97.5	98.0	98.5	99.1
≥ 100		46.6	53.4	58.2	72.3	74.3	82.3	88.8	91.0	94.4	95.2	96.5	97.6	98.2	98.7	99.4
≥ 0		46.6	53.4	58.2	72.3	74.3	82.3	88.9	91.1	94.6	95.3	96.6	97.8	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

69-70, 74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		18.4	21.6	21.0	24.6	24.8	25.2	27.5	27.9	28.8	29.0	29.1	29.1	29.1	29.1	29.1
≥ 20000		22.6	24.9	25.4	29.9	30.3	30.9	33.2	33.6	34.5	34.6	34.8	34.8	34.8	34.8	34.8
≥ 18000		22.7	25.1	25.7	31.1	30.5	31.1	33.5	33.8	35.0	35.1	35.2	35.2	35.2	35.2	35.2
≥ 16000		22.7	25.1	25.7	31.1	30.5	31.1	33.5	33.8	35.0	35.1	35.2	35.2	35.2	35.2	35.2
≥ 14000		23.2	25.5	26.1	30.6	31.0	31.6	33.9	34.3	35.5	35.6	35.7	35.7	35.7	35.7	35.7
≥ 12000		23.8	26.1	26.7	31.3	31.7	32.3	34.6	35.0	36.2	36.3	36.4	36.4	36.4	36.4	36.4
≥ 10000		25.7	28.1	29.0	33.7	34.0	34.6	37.1	37.6	38.9	39.1	39.2	39.2	39.2	39.2	39.2
≥ 9000		26.6	29.2	30.0	35.1	35.5	36.1	38.5	39.0	40.3	40.5	40.7	40.7	40.7	40.7	40.7
≥ 8000		30.0	33.1	34.0	39.4	39.7	40.7	43.1	43.6	44.9	45.2	45.3	45.3	45.3	45.3	45.3
≥ 7000		31.7	34.9	35.8	41.4	41.7	42.7	45.2	45.6	47.0	47.3	47.4	47.4	47.4	47.4	47.4
≥ 6000		32.4	35.8	36.8	42.4	42.8	43.9	46.5	46.9	48.3	48.6	48.7	48.7	48.7	48.7	48.7
≥ 5000		34.9	38.4	39.5	45.2	45.5	47.2	49.9	50.5	51.9	52.1	52.2	52.2	52.2	52.2	52.2
≥ 4500		37.9	41.7	43.0	48.9	49.3	50.9	53.9	54.5	55.9	56.1	56.5	56.5	56.5	56.5	56.5
≥ 4000		41.5	45.4	46.8	53.1	53.4	55.4	58.4	59.0	60.4	60.6	61.0	61.0	61.0	61.0	61.0
≥ 3500		44.3	48.3	50.2	57.0	57.3	59.5	62.4	63.0	64.4	64.7	65.0	65.0	65.0	65.0	65.0
≥ 3000		47.0	51.3	53.4	61.2	61.7	64.4	67.6	68.2	69.6	69.9	70.2	70.2	70.2	70.2	70.2
≥ 2500		50.0	54.5	56.9	66.3	66.9	70.1	73.5	74.1	75.5	75.8	76.1	76.2	76.2	76.2	76.2
≥ 2000		52.5	57.8	61.2	72.6	73.4	77.4	81.1	81.8	83.6	83.9	84.3	84.4	84.4	84.4	84.4
≥ 1800		52.6	58.0	61.5	73.4	74.2	78.7	82.6	83.5	85.3	85.7	86.1	86.2	86.2	86.2	86.2
≥ 1500		53.2	58.9	62.5	75.5	76.5	81.7	86.1	87.0	89.1	89.7	90.1	90.2	90.2	90.2	90.2
≥ 1200		53.7	59.3	63.0	76.6	77.5	83.2	87.7	88.7	91.0	91.6	92.0	92.1	92.1	92.1	92.1
≥ 1000		54.0	59.7	63.5	77.2	78.1	84.0	88.7	89.6	92.1	92.8	93.1	93.3	93.3	93.3	93.3
≥ 900		54.3	60.2	63.9	77.9	78.8	84.9	89.5	90.4	93.1	93.9	94.2	94.3	94.3	94.3	94.3
≥ 800		54.3	60.2	63.9	78.4	79.4	85.5	90.1	91.3	94.0	94.7	95.0	95.2	95.2	95.2	95.2
≥ 700		54.3	60.3	64.1	78.5	79.6	85.6	90.4	92.1	94.9	95.6	96.2	96.3	96.6	96.6	96.6
≥ 600		54.3	60.3	64.2	78.8	79.9	85.9	90.9	92.6	96.5	97.3	97.9	98.1	98.5	98.5	98.5
≥ 500		54.3	60.3	64.2	79.0	80.0	86.2	91.1	92.9	96.9	97.8	98.5	98.7	99.1	99.1	99.1
≥ 400		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.3	98.1	98.9	99.3	99.8	99.8	99.8
≥ 300		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.4	98.2	99.1	99.4	99.9	99.9	99.9
≥ 200		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.4	98.2	99.1	99.4	99.9	99.9	99.9
≥ 100		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.4	98.2	99.1	99.4	99.9	100.0	100.0
≥ 0		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.4	98.2	99.1	99.4	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

69-70, 74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		23.7	24.7	25.4	28.1	28.5	29.8	30.9	31.8	32.3	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000		28.5	29.8	30.7	34.0	34.4	35.8	36.9	37.8	38.3	38.5	38.5	38.5	38.5	38.5	38.5
≥ 18000		28.5	29.9	30.9	34.3	34.6	36.1	37.2	38.2	38.8	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000		28.5	29.9	30.9	34.3	34.6	36.1	37.2	38.2	38.8	39.0	39.0	39.0	39.0	39.0	39.0
≥ 14000		29.1	31.7	31.8	35.2	35.6	37.0	38.2	39.1	39.7	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000		29.9	31.6	32.6	36.4	36.8	38.2	39.4	40.3	41.0	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000		32.0	33.9	35.1	39.7	39.4	41.0	42.2	43.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3
≥ 9000		33.8	35.8	37.1	41.3	41.7	43.5	44.7	45.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8
≥ 8000		35.2	38.3	39.8	44.1	44.6	46.6	47.8	48.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1
≥ 7000		37.4	39.6	41.1	45.4	45.9	48.1	49.3	50.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000		38.4	40.7	42.2	46.5	46.9	49.3	50.6	51.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0
≥ 5000		41.0	43.4	44.9	49.4	49.9	52.5	53.8	54.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500		45.0	47.8	49.5	54.4	54.8	57.7	59.1	60.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000		49.2	51.9	53.7	58.7	59.2	62.3	63.8	64.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3500		55.7	58.7	60.8	67.0	67.5	71.0	72.7	73.8	74.9	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000		58.9	62.3	64.3	71.6	72.1	76.1	77.8	78.8	80.0	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500		61.6	65.2	67.8	75.9	76.8	81.8	83.6	84.8	86.2	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000		62.6	66.7	69.5	79.3	80.5	85.9	87.9	89.2	91.1	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800		63.1	67.1	70.1	80.4	81.6	87.2	89.2	90.7	92.9	93.9	93.9	93.9	94.0	94.0	94.0
≥ 1600		63.5	67.5	70.4	80.9	82.0	88.1	90.8	92.2	94.8	96.0	96.0	96.0	96.1	96.1	96.1
≥ 1400		63.5	67.5	70.4	81.1	82.3	88.7	91.5	93.7	95.6	96.8	96.8	96.8	96.9	96.9	96.9
≥ 1200		63.5	67.5	70.6	81.4	82.6	89.1	92.0	93.5	96.5	97.6	97.6	97.6	97.9	97.9	97.9
≥ 1000		63.5	67.5	70.6	81.4	82.6	89.1	92.2	94.0	97.0	98.2	98.3	98.3	98.7	98.7	98.7
≥ 900		63.5	67.5	70.6	81.4	82.6	89.1	92.3	94.1	97.3	98.5	98.7	98.7	99.1	99.1	99.1
≥ 800		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.8	99.3	99.3	99.6	99.6	99.6
≥ 700		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 600		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 500		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 400		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 300		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 200		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 100		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 0		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 44

HEIDELBERG AAF DL

69-70,74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		22.8	24.5	26.4	31.1	31.1	32.5	33.0	33.6	34.3	34.3	34.4	34.4	34.6	34.6	34.6
≥ 20000		26.6	28.4	30.6	35.7	35.7	37.2	37.8	38.4	39.1	39.1	39.2	39.2	39.5	39.5	39.5
≥ 18000		26.6	28.4	30.6	35.7	35.7	37.2	37.8	38.4	39.1	39.1	39.2	39.2	39.5	39.5	39.5
≥ 16000		26.6	28.4	30.6	35.7	35.7	37.2	37.8	38.4	39.1	39.1	39.2	39.2	39.5	39.5	39.5
≥ 14000		27.1	28.7	31.0	36.1	36.1	37.7	38.3	38.9	39.6	39.6	39.7	39.7	40.0	40.0	40.0
≥ 12000		28.1	29.9	32.2	37.4	37.4	39.0	39.6	40.2	40.9	40.9	41.0	41.0	41.3	41.3	41.3
≥ 10000		30.4	32.2	34.6	40.4	40.4	42.1	42.7	43.3	44.0	44.0	44.1	44.1	44.3	44.3	44.3
≥ 9000		32.0	33.9	36.4	42.3	42.3	44.0	44.6	45.2	45.9	45.9	46.0	46.0	46.2	46.2	46.2
≥ 8000		35.2	37.2	40.1	46.3	46.3	48.5	49.2	49.8	50.5	50.5	50.6	50.6	50.8	50.8	50.8
≥ 7000		37.4	39.4	42.2	48.8	48.8	51.8	52.5	53.1	53.8	53.8	53.9	53.9	54.1	54.1	54.1
≥ 6000		37.5	39.5	42.3	49.1	49.1	52.0	52.7	53.3	54.0	54.0	54.1	54.1	54.4	54.4	54.4
≥ 5000		40.5	42.8	45.6	52.7	52.7	55.7	56.4	57.0	57.8	57.8	57.9	57.9	58.2	58.2	58.2
≥ 4500		44.6	47.0	50.0	57.4	57.4	60.6	61.3	61.9	62.8	62.8	62.9	62.9	63.1	63.1	63.1
≥ 4000		49.1	51.9	55.0	62.8	62.8	66.3	67.0	67.7	68.6	68.6	68.7	68.7	68.9	68.9	68.9
≥ 3500		54.1	57.0	60.2	68.3	68.3	71.9	72.6	73.4	74.2	74.2	74.3	74.3	74.6	74.6	74.6
≥ 3000		55.9	59.7	62.5	71.3	71.3	75.1	75.8	76.6	77.4	77.4	77.5	77.5	77.8	77.8	77.8
≥ 2500		58.4	61.7	65.6	75.3	75.3	79.1	79.8	80.6	81.4	81.7	81.8	81.8	82.0	82.0	82.0
≥ 2000		61.8	64.4	68.9	80.3	80.3	84.6	85.8	86.8	87.7	87.9	88.1	88.1	88.3	88.3	88.3
≥ 1800		61.3	65.7	69.6	81.3	81.3	85.7	86.9	87.8	88.8	89.0	89.1	89.1	89.4	89.4	89.4
≥ 1500		62.1	65.8	71.4	82.7	82.7	87.4	89.0	90.0	91.0	91.8	92.0	92.0	92.2	92.2	92.2
≥ 1200		62.2	66.2	70.9	84.0	84.2	88.9	90.8	91.7	92.8	93.7	93.9	93.9	94.1	94.1	94.1
≥ 1000		62.2	66.2	70.9	84.3	84.5	89.2	91.3	92.2	93.4	94.3	94.4	94.4	94.7	94.7	94.7
≥ 900		62.2	66.2	70.9	84.4	84.6	89.7	91.7	92.7	93.9	94.8	94.9	94.9	95.2	95.2	95.2
≥ 800		62.2	66.3	71.0	84.5	84.8	90.2	93.4	94.4	96.2	97.2	97.4	97.4	97.6	97.6	97.6
≥ 700		62.2	66.3	71.0	84.5	84.8	90.2	93.6	94.7	96.6	97.6	97.9	98.0	98.2	98.2	98.2
≥ 600		62.2	66.3	71.0	84.5	84.8	90.2	93.6	94.7	96.8	97.9	98.2	98.3	98.6	98.6	98.6
≥ 500		62.2	66.3	71.0	84.5	84.8	90.2	93.6	94.9	97.3	98.5	98.8	98.9	99.2	99.2	99.2
≥ 400		62.3	66.4	71.2	84.6	84.9	90.3	93.9	95.2	97.5	98.7	99.1	99.2	99.4	99.4	99.4
≥ 300		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0
≥ 200		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0
≥ 100		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0
≥ 0		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOPAC CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

69-70, 74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		23.9	26.7	29.6	35.7	36.1	37.1	37.1	37.5	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 16000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 12000		26.5	29.3	32.4	39.1	39.5	40.5	40.5	40.9	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000		29.7	32.5	35.6	42.3	42.7	43.7	43.7	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 9000		31.7	34.5	37.6	44.4	44.8	45.9	46.0	46.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 8000		35.9	38.8	42.1	49.4	49.8	51.1	51.2	51.8	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 7000		38.1	41.0	44.3	52.1	52.5	54.4	54.5	55.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 6000		38.3	41.3	44.6	52.4	52.7	54.6	54.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000		40.6	44.4	48.1	56.0	56.4	58.4	58.5	59.1	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500		44.4	48.2	52.0	60.8	61.1	63.2	63.4	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4000		47.6	51.8	55.8	64.8	65.1	67.6	67.7	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500		50.8	55.1	59.8	69.6	70.0	72.5	72.7	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000		54.1	58.5	63.6	74.1	74.5	77.1	77.4	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2500		55.0	60.4	65.5	76.2	76.6	79.3	79.7	80.4	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000		58.3	63.1	69.5	81.6	82.2	85.2	85.7	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800		58.4	63.4	69.9	82.2	82.7	85.8	86.3	87.0	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500		59.3	64.5	71.2	84.6	85.3	89.0	89.7	90.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200		59.9	65.2	72.1	85.8	86.9	90.5	91.6	92.3	93.6	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000		59.9	65.2	72.3	86.3	87.5	91.3	92.7	93.4	94.7	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900		59.9	65.2	72.3	86.4	87.6	91.6	93.0	93.7	95.0	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800		61.3	65.6	72.8	86.9	88.1	92.4	94.2	94.9	96.2	96.6	96.7	96.7	96.7	96.7	96.7
≥ 700		61.3	65.7	72.9	87.0	88.2	92.7	94.7	95.4	96.8	97.2	97.3	97.3	97.3	97.3	97.3
≥ 600		61.3	65.8	73.3	87.4	88.5	93.0	95.2	95.9	97.3	97.6	97.8	97.8	97.8	97.8	97.8
≥ 500		60.3	65.8	73.3	87.4	88.5	93.0	95.5	96.3	98.0	98.3	98.5	98.5	98.5	98.5	98.5
≥ 400		60.3	65.8	73.3	87.4	88.5	93.0	95.5	96.3	98.3	98.7	98.8	98.9	98.9	98.9	98.9
≥ 300		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	99.6
≥ 200		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	99.6
≥ 100		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	99.8
≥ 0		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

69-70,74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		21.4	22.3	23.3	27.7	28.0	29.2	30.2	30.6	31.3	31.4	31.6	31.6	31.7	31.8	31.8
≥ 20000		23.2	25.1	27.0	31.3	31.7	33.0	34.0	34.4	35.1	35.2	35.4	35.4	35.6	35.6	35.7
≥ 18000		23.3	25.3	27.2	31.6	31.9	33.2	34.2	34.6	35.4	35.5	35.7	35.7	35.9	35.9	35.9
≥ 16000		23.3	25.3	27.2	31.6	31.9	33.3	34.3	34.6	35.4	35.5	35.7	35.7	35.9	35.9	36.0
≥ 14000		23.5	25.5	27.5	31.9	32.2	33.6	34.6	34.9	35.7	35.8	36.0	36.0	36.2	36.2	36.3
≥ 12000		24.1	26.1	28.1	32.7	33.0	34.4	35.4	35.7	36.5	36.6	36.8	36.8	37.0	37.7	37.1
≥ 10000		26.3	28.3	30.5	35.4	35.7	37.2	38.2	38.6	39.5	39.6	39.8	39.8	40.0	40.0	40.0
≥ 9000		27.6	29.7	32.0	37.0	37.3	38.8	39.9	40.3	41.2	41.3	41.5	41.5	41.7	41.7	41.8
≥ 8000		31.3	33.7	36.2	41.5	41.9	43.7	44.8	45.2	46.1	46.2	46.4	46.5	46.7	46.7	46.8
≥ 7000		33.3	35.7	38.2	43.8	44.2	46.2	47.4	47.8	48.8	48.9	49.1	49.2	49.3	49.4	49.5
≥ 6000		33.8	36.3	38.8	44.5	44.9	47.0	48.2	48.6	49.6	49.7	49.9	50.0	50.2	50.2	50.3
≥ 5000		36.3	39.2	41.8	47.8	48.2	50.5	51.7	52.2	53.2	53.3	53.5	53.6	53.8	53.8	53.9
≥ 4500		40.5	43.6	46.4	52.9	53.4	55.8	57.2	57.6	58.6	58.8	59.0	59.1	59.3	59.3	59.4
≥ 4000		44.4	47.8	50.9	57.8	58.3	61.0	62.3	62.8	63.8	64.0	64.2	64.3	64.5	64.5	64.6
≥ 3500		47.5	51.1	54.6	62.1	62.6	65.4	66.8	67.3	68.3	68.5	68.7	68.8	69.0	69.0	69.1
≥ 3000		50.5	54.4	58.1	66.2	66.7	69.8	71.4	72.0	73.0	73.2	73.4	73.5	73.7	73.8	73.8
≥ 2500		52.9	57.0	60.8	69.7	70.3	73.7	75.4	76.1	77.1	77.3	77.6	77.7	77.9	77.9	78.0
≥ 2000		55.5	60.2	64.7	75.2	75.9	79.9	81.9	82.6	83.7	83.9	84.2	84.3	84.5	84.5	84.6
≥ 1800		55.0	60.7	65.4	76.3	77.0	81.3	83.3	84.0	85.3	85.5	85.7	85.9	86.0	86.1	86.2
≥ 1500		56.8	61.6	66.5	78.5	79.3	84.2	86.7	87.5	88.9	89.3	89.6	89.7	89.8	89.9	90.0
≥ 1200		57.2	62.1	67.1	79.6	80.5	85.6	88.3	89.2	90.7	91.2	91.5	91.6	91.8	91.8	91.9
≥ 1000		57.3	62.3	67.4	80.1	81.0	86.3	89.4	90.3	91.9	92.5	92.8	92.9	93.1	93.1	93.2
≥ 900		57.4	62.5	67.6	80.4	81.3	86.8	90.0	90.9	92.6	93.1	93.4	93.6	93.8	93.8	93.9
≥ 800		57.6	62.6	67.8	80.9	81.8	87.5	90.9	91.9	93.7	94.3	94.6	94.8	95.0	95.0	95.1
≥ 700		57.6	62.7	67.9	81.0	82.0	87.8	91.3	92.5	94.6	95.2	95.6	95.8	96.1	96.1	96.2
≥ 600		57.6	62.7	68.0	81.3	82.3	88.1	91.8	92.9	95.3	95.9	96.4	96.6	96.9	97.0	97.1
≥ 500		57.6	62.8	68.1	81.4	82.5	88.4	92.1	93.4	95.9	96.6	97.2	97.4	97.7	97.8	97.9
≥ 400		57.7	62.8	68.1	81.5	82.6	88.6	92.4	93.6	96.3	97.0	97.7	98.0	98.3	98.5	98.6
≥ 300		57.7	62.8	68.1	81.5	82.6	88.6	92.5	93.8	96.5	97.3	98.0	98.3	98.8	98.9	99.1
≥ 200		57.7	62.8	68.1	81.5	82.6	88.6	92.5	93.9	96.6	97.4	98.1	98.5	99.0	99.1	99.4
≥ 100		57.7	62.8	68.1	81.5	82.6	88.7	92.5	93.9	96.6	97.4	98.1	98.6	99.0	99.3	99.7
≥ 0		57.7	62.8	68.1	81.5	82.6	88.7	92.5	93.9	96.6	97.4	98.2	98.6	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

66-70,74-80

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.8	37.5	38.5	40.2	40.4	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000		37.9	41.2	43.1	44.5	44.7	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000		38.7	41.3	43.2	44.6	44.8	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000		39.0	41.3	43.2	44.6	44.8	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000		38.1	41.4	43.3	44.7	44.9	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000		38.4	41.8	43.6	45.0	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000		41.0	44.3	46.8	48.3	48.5	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 9000		43.5	46.9	49.4	51.0	51.2	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 8000		48.4	52.0	54.5	56.3	56.6	57.5	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 7000		50.6	54.3	56.7	59.2	59.5	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000		51.8	55.4	57.9	60.7	61.0	62.3	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000		56.5	60.2	62.8	65.7	66.0	67.5	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4500		60.8	64.6	67.4	70.6	70.9	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
≥ 4000		63.4	67.5	70.3	74.1	74.4	76.2	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9
≥ 3500		67.3	72.0	75.3	79.3	79.7	81.5	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 3000		69.6	75.5	79.1	83.4	83.7	85.6	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.7
≥ 2500		72.9	79.0	82.9	87.7	88.1	89.9	90.4	90.7	90.9	90.9	90.9	90.9	90.9	90.9	91.1
≥ 2000		75.2	81.7	85.9	91.5	91.8	94.6	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.9
≥ 1800		75.5	81.9	86.1	92.1	92.5	95.3	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 1500		76.1	82.7	86.9	93.4	93.9	96.7	97.3	97.6	97.7	97.7	97.8	97.8	97.8	97.8	98.0
≥ 1200		76.3	83.1	87.3	94.3	94.7	97.6	98.3	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.1
≥ 1000		76.3	83.1	87.3	94.3	94.7	97.6	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	99.1
≥ 900		76.3	83.1	87.3	94.3	94.7	98.0	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.4
≥ 800		76.4	83.2	87.4	94.4	94.8	98.1	98.7	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.5
≥ 700		76.4	83.2	87.4	94.5	94.9	98.2	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.6
≥ 600		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 500		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 400		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 300		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 200		76.6	83.5	87.7	94.8	95.3	98.5	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 100		76.6	83.5	87.7	94.8	95.3	98.5	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 0		76.6	83.5	87.7	94.8	95.3	98.5	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

MAF

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		3.6	33.4	34.4	36.7	36.7	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2
≥ 20000		33.3	36.9	38.3	40.8	40.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8
≥ 18000		33.3	36.9	38.3	40.8	40.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8
≥ 16000		33.3	36.9	38.3	40.8	40.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8
≥ 14000		34.1	37.6	39.0	41.5	41.5	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5
≥ 12000		34.2	37.7	39.1	41.6	41.6	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7
≥ 10000		37.1	41.2	43.1	45.8	45.8	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0
≥ 9000		38.4	42.9	44.8	47.6	47.6	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8
≥ 8000		44.5	48.9	51.0	54.1	54.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
≥ 7000		47.3	51.8	54.1	57.6	57.6	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.9
≥ 6000		48.9	53.4	55.7	59.2	59.2	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.9
≥ 5000		52.9	57.6	59.9	63.7	63.7	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.4
≥ 4500		57.1	62.0	64.4	68.5	68.5	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6
≥ 4000		59.5	64.5	67.0	72.0	72.0	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.1
≥ 3500		62.7	67.7	70.6	76.1	76.1	79.5	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.6
≥ 3000		65.7	71.5	74.6	80.3	80.3	83.7	84.2	84.4	84.8	84.8	84.8	84.8	84.8	84.8	85.2
≥ 2500		67.8	74.1	77.3	83.3	83.3	87.0	87.5	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.6
≥ 2000		7.3	77.0	80.8	87.6	87.6	91.7	92.3	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.3
≥ 1800		77.8	77.7	81.5	88.8	88.8	93.0	93.5	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.6
≥ 1500		71.4	78.9	82.9	90.6	90.6	95.2	95.7	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.8
≥ 1200		72.0	79.6	83.7	91.8	91.8	96.3	96.9	97.1	97.7	97.7	97.7	97.7	97.7	97.7	98.1
≥ 1000		72.2	79.7	83.8	92.3	92.3	96.8	97.3	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.5
≥ 900		72.3	79.8	83.9	92.4	92.4	97.2	97.7	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.9
≥ 800		72.3	79.8	83.9	92.4	92.4	97.2	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	99.0
≥ 700		72.3	79.8	83.9	92.4	92.4	97.2	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	99.0
≥ 600		72.4	79.9	84.0	92.6	92.6	97.4	98.0	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.4
≥ 500		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.8
≥ 400		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.8
≥ 300		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.8
≥ 200		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.8
≥ 100		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.8
≥ 0		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.8

TOTAL NUMBER OF OBSERVATIONS

57

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF OL

68-70,74-80

MA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-600
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		21.7	23.4	24.9	27.8	28.1	29.6	30.4	31.1	32.5	33.0	33.1	33.1	33.1	33.1	33.5
≥ 20000		25.8	26.1	27.8	31.6	31.8	33.5	34.6	35.4	36.8	37.3	37.5	37.6	37.6	37.6	38.1
≥ 18000		25.9	26.2	28.1	31.7	31.9	33.7	34.7	35.5	36.9	37.4	37.6	37.7	37.7	37.7	38.2
≥ 16000		25.9	26.2	28.1	31.7	31.9	33.7	34.7	35.5	36.9	37.4	37.6	37.7	37.7	37.7	38.2
≥ 14000		24.1	26.5	28.2	32.7	32.3	34.0	35.1	35.8	37.2	37.7	38.0	38.1	38.1	38.1	38.5
≥ 12000		25.2	27.5	29.2	33.1	33.3	35.1	36.1	36.9	38.3	38.8	39.0	39.1	39.1	39.1	39.6
≥ 10000		26.7	29.5	31.7	36.3	36.6	38.3	39.4	40.2	41.6	42.2	42.5	42.6	42.6	42.6	43.7
≥ 9500		25.5	31.7	34.1	39.1	39.4	41.1	42.2	43.0	44.4	44.9	45.3	45.4	45.4	45.4	45.8
≥ 8000		34.3	37.8	40.6	46.0	46.5	48.6	50.1	51.0	52.9	53.4	53.8	53.9	53.9	53.9	54.3
≥ 7000		35.6	39.1	41.9	47.3	47.7	50.0	51.6	52.5	54.5	55.1	55.4	55.5	55.5	55.5	55.9
≥ 6000		38.6	40.2	43.0	48.4	48.8	51.2	52.8	53.9	55.9	56.5	56.8	56.9	56.9	56.9	57.3
≥ 5000		33.8	42.7	45.6	51.1	51.5	53.9	55.5	56.6	58.6	59.1	59.5	59.6	59.6	59.6	60.0
≥ 4500		41.6	45.8	48.9	55.1	55.6	58.1	59.9	61.0	63.0	63.5	63.9	64.0	64.0	64.0	64.4
≥ 4000		43.9	48.8	52.2	59.4	59.9	62.5	64.5	65.6	67.6	68.2	68.5	68.6	68.6	68.6	69.0
≥ 3500		48.9	54.0	57.6	65.7	66.2	69.0	71.3	72.4	74.5	75.2	75.5	75.7	75.7	75.7	76.1
≥ 3000		51.9	57.5	61.4	69.6	70.1	73.0	75.5	76.7	78.9	79.8	80.1	80.3	80.3	80.3	80.8
≥ 2500		54.1	60.0	64.0	72.6	73.1	76.2	79.0	80.2	82.5	83.3	83.7	83.9	83.9	83.9	84.3
≥ 2000		57.1	64.1	68.6	78.5	79.2	83.2	86.2	87.5	89.9	90.8	91.1	91.3	91.3	91.3	91.7
≥ 1800		57.3	64.5	69.0	79.1	79.9	84.0	87.0	88.3	90.6	91.5	91.8	92.0	92.0	92.0	92.5
≥ 1500		58.2	65.7	70.4	81.1	81.9	86.3	89.6	91.1	93.4	94.3	94.6	94.8	94.8	94.8	95.3
≥ 1200		58.3	66.1	70.9	81.9	83.0	87.6	90.9	92.4	94.9	95.8	96.1	96.3	96.3	96.3	96.8
≥ 1000		58.4	66.2	71.0	82.4	83.4	88.2	91.4	92.9	95.5	96.3	96.7	96.9	97.0	97.0	97.4
≥ 900		58.4	66.2	71.0	82.4	83.4	88.2	91.4	92.9	95.5	96.3	96.7	96.9	97.0	97.0	97.4
≥ 800		58.4	66.2	71.0	82.4	83.4	88.2	91.4	92.9	95.5	96.3	96.7	96.9	97.0	97.0	97.4
≥ 700		58.5	66.3	71.1	82.7	83.8	88.5	91.7	93.4	96.3	97.3	97.7	98.0	98.1	98.1	98.5
≥ 600		58.5	66.6	71.3	82.9	84.0	88.7	91.9	93.7	96.6	97.5	98.0	98.2	98.3	98.3	98.7
≥ 500		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.0	99.0	99.5
≥ 400		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.0	99.0	99.5
≥ 300		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.0	99.0	99.5
≥ 200		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.0	99.0	99.5
≥ 100		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.0	99.0	99.5
≥ 0		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.0	99.0	99.5

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4
STATION

HEIDELBERG AAF DL
STATION NAME

50-70,74-80
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		21.3	22.7	23.8	27.2	27.4	29.1	30.3	31.2	32.0	32.3	32.4	32.4	32.4	32.4	32.5
≥ 20000		23.4	26.6	28.1	32.5	32.8	35.2	36.6	37.8	38.8	39.0	39.4	39.4	39.6	39.6	39.9
≥ 18000		23.5	26.9	28.4	32.8	33.1	35.5	36.9	38.2	39.1	39.4	39.7	39.7	39.9	39.9	40.2
≥ 16000		23.5	26.9	28.4	32.8	33.1	35.5	36.9	38.2	39.1	39.4	39.7	39.7	39.9	39.9	40.2
≥ 14000		24.1	27.3	29.9	33.4	33.8	36.1	37.5	38.8	39.8	40.0	40.3	40.4	40.6	40.6	41.0
≥ 12000		24.8	28.4	31.0	34.5	34.8	37.3	38.7	40.0	41.0	41.2	41.5	41.6	41.8	41.8	42.2
≥ 10000		26.5	30.1	31.8	36.8	37.1	39.8	41.3	42.9	44.0	44.2	44.5	44.6	44.8	44.8	45.7
≥ 9500		29.0	32.9	34.7	40.0	40.3	43.1	44.7	46.3	47.4	47.6	48.0	48.1	48.3	48.3	48.6
≥ 8000		33.2	37.5	39.8	46.0	46.5	49.5	51.6	53.4	54.6	54.8	55.2	55.3	55.5	55.8	55.8
≥ 7000		36.0	40.5	42.9	49.2	49.7	52.8	54.9	56.8	58.0	58.2	58.5	58.6	58.8	58.8	59.1
≥ 6000		38.6	41.3	43.9	50.2	50.6	53.9	56.0	58.1	59.1	59.4	59.7	59.8	60.0	60.0	60.3
≥ 5000		41.1	43.1	45.8	52.2	52.6	55.9	58.1	60.1	61.2	61.4	61.7	61.8	62.1	62.1	62.4
≥ 4500		43.4	45.6	48.4	55.3	55.7	59.1	61.3	63.2	64.5	64.7	65.1	65.2	65.4	65.4	65.7
≥ 4000		41.6	47.6	50.8	58.3	58.8	62.6	64.9	66.9	68.2	68.4	68.7	68.8	69.1	69.1	69.4
≥ 3500		45.1	52.4	56.0	64.2	64.7	68.5	70.9	72.9	74.2	74.4	74.7	74.8	75.1	75.1	75.4
≥ 3000		43.3	54.9	58.7	67.7	68.3	72.3	74.8	76.9	78.2	78.4	78.7	78.8	79.0	79.0	79.4
≥ 2500		51.8	57.7	61.8	71.4	71.9	76.3	78.9	81.1	82.4	82.6	82.9	83.0	83.2	83.2	83.5
≥ 2000		53.1	60.5	64.9	77.3	78.1	82.6	85.6	87.8	89.1	89.4	89.7	89.8	90.0	90.0	90.3
≥ 1800		53.4	60.9	65.4	77.7	78.6	83.3	86.3	88.6	89.9	90.1	90.4	90.5	90.8	90.8	91.1
≥ 1500		53.9	61.8	66.7	79.6	80.5	85.6	88.7	91.1	92.6	92.8	93.3	93.4	93.7	93.7	94.1
≥ 1200		54.2	62.5	67.4	80.5	81.5	86.9	90.1	92.6	94.2	94.4	95.1	95.2	95.4	95.4	95.7
≥ 1000		54.3	62.7	67.6	81.1	82.0	87.4	91.0	93.5	95.2	95.4	96.0	96.1	96.3	96.3	96.7
≥ 900		54.3	62.9	68.0	81.4	82.4	87.7	91.4	94.0	95.7	96.1	96.8	96.9	97.1	97.1	97.4
≥ 800		54.3	63.0	68.1	81.9	83.1	88.6	92.3	94.8	96.6	97.1	97.8	98.0	98.2	98.2	98.5
≥ 700		54.3	63.1	68.1	81.9	83.1	88.7	92.4	94.9	97.0	97.6	98.4	98.5	98.7	98.7	99.0
≥ 600		54.3	63.1	68.2	82.0	83.2	88.8	92.5	95.1	97.2	97.8	98.7	98.8	99.0	99.0	99.4
≥ 500		54.3	63.1	68.2	82.0	83.2	88.8	92.5	95.1	97.2	97.8	98.7	98.9	99.1	99.1	99.5
≥ 400		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.0	98.8	99.0	99.2	99.2	99.6
≥ 300		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.0	98.8	99.0	99.4	99.5	99.8
≥ 200		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.0	98.8	99.0	99.4	99.5	99.9
≥ 100		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.0	98.8	99.0	99.4	99.5	99.9
≥ 0		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.0	98.8	99.0	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 93

OFFICIAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAG

CEILING VERSUS VISI

34 41 HEIDELBERG AAF DL

53-76, 74-87

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING		23.7	25.1	26.7	29.7	29.9	30.6	31.2	31.4	31.7	31.8	31.8	31.8	31.8	31
≥ 20000		29.5	31.4	33.1	37.2	37.4	38.5	39.1	39.4	39.7	39.8	39.8	39.8	39.8	39
≥ 18000		31.1	32.1	33.7	38.0	38.2	39.2	39.9	40.1	40.4	40.5	40.5	40.5	40.5	40
≥ 16000		31.1	32.1	33.7	38.0	38.2	39.2	39.9	40.1	40.4	40.5	40.5	40.5	40.5	40
≥ 14000		31.1	33.0	34.6	39.1	39.4	40.4	41.1	41.3	41.6	41.7	41.7	41.7	41.7	41
≥ 12000		31.3	33.5	35.2	39.8	40.0	41.2	41.8	42.1	42.4	42.5	42.5	42.5	42.5	42
≥ 10000		32.5	35.7	37.8	42.6	42.8	44.2	44.8	45.1	45.4	45.5	45.5	45.5	45.5	45
≥ 9000		34.4	37.6	39.8	44.8	45.1	46.7	47.4	47.6	48.1	48.2	48.2	48.2	48.2	48
≥ 8000		33.2	41.5	43.7	50.0	50.2	52.2	53.3	53.7	54.1	54.2	54.2	54.2	54.2	54
≥ 7000		40.5	44.1	46.3	52.8	53.0	54.9	56.1	56.5	56.9	57.1	57.1	57.1	57.1	57
≥ 6000		40.5	44.1	46.3	52.8	53.0	55.1	56.2	56.6	57.0	57.1	57.1	57.1	57.1	57
≥ 5000		41.9	45.6	48.0	54.4	54.6	56.7	57.8	58.2	58.6	58.7	58.7	58.7	58.7	58
≥ 4500		45.4	47.5	52.0	59.4	59.6	61.6	62.8	63.1	63.5	63.7	63.7	63.7	63.7	63
≥ 4000		45.1	53.4	56.0	64.0	64.2	66.9	68.1	68.4	68.8	68.9	68.9	68.9	68.9	69
≥ 3500		45.7	61.8	63.5	72.2	72.4	75.1	76.2	76.6	77.0	77.1	77.1	77.1	77.1	77
≥ 3000		45.7	65.2	68.2	77.5	77.7	80.6	82.0	82.4	82.8	82.9	82.9	82.9	82.9	82
≥ 2500		63.1	67.6	71.8	81.8	82.2	85.1	86.5	86.8	87.2	87.3	87.3	87.3	87.3	87
≥ 2000		63.4	73.8	77.3	82.5	85.8	92.0	93.4	93.6	94.2	94.3	94.3	94.3	94.3	94
≥ 1500		67.7	74.1	77.6	86.9	89.2	92.5	93.9	94.2	94.6	94.7	94.7	94.7	94.7	94
≥ 1000		67.8	74.3	78.4	89.8	91.1	93.8	95.5	96.1	96.8	96.9	96.9	96.9	96.9	96
≥ 500		67.1	74.4	78.6	91.5	91.1	94.6	96.5	97.1	97.7	97.8	97.8	97.8	97.8	97
≥ 250		67.2	74.5	78.7	91.1	91.4	95.1	97.2	97.8	98.5	98.6	98.6	98.6	98.6	98
≥ 150		67.2	74.6	78.8	91.1	91.5	95.3	97.4	98.2	98.8	99.0	99.1	99.1	99.1	99
≥ 100		67.3	74.6	78.8	91.3	91.7	95.5	97.6	98.4	99.0	99.2	99.4	99.4	99.4	99
≥ 50		67.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.2	99.5	99.6	99.6	99.6	99
≥ 25		67.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.8	99.8	99.8	99
≥ 15		67.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.8	99.8	99.8	99
≥ 10		67.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99
≥ 5		67.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99
≥ 2		67.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99

TOTAL NUMBER OF OBSERVATIONS

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

31 46

HEIDLEB G AAF DL

68-70, 74-80

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 0-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0
NO CEILING		29.0	30.0	31.5	34.0	34.1	34.7	34.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000		34.2	36.8	38.3	41.2	41.3	41.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 18000		35.3	37.2	38.8	41.8	41.9	42.6	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 16000		35.5	37.4	39.0	42.0	42.2	42.8	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000		36.1	38.1	39.7	42.9	43.1	43.8	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 12000		37.5	39.7	41.4	44.7	44.9	45.6	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000		40.0	42.4	44.5	48.0	48.2	48.9	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 9000		42.6	45.1	47.3	50.9	51.1	52.4	52.6	53.1	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8000		46.1	49.1	51.4	54.9	55.3	56.7	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000		49.0	52.0	54.3	58.1	58.4	59.8	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000		50.0	53.0	55.3	59.1	59.5	60.9	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 5000		52.8	55.9	58.6	62.6	62.9	64.3	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500		56.9	60.0	62.9	67.3	67.6	69.0	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000		61.1	64.6	67.6	72.4	72.7	74.4	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3500		64.7	68.6	72.0	77.2	77.5	79.2	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000		69.6	73.7	77.2	82.7	83.0	84.8	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500		73.1	77.4	81.4	87.3	87.6	89.8	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000		75.9	80.5	84.6	91.2	91.5	93.7	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800		76.2	81.0	85.1	91.7	92.2	94.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500		76.3	81.1	85.2	92.4	92.8	95.2	96.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200		76.7	81.4	85.7	93.0	93.5	95.9	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		76.9	81.7	86.2	93.7	94.2	96.7	97.6	98.4	98.6	98.6	98.6	98.8	98.8	98.8
≥ 900		76.9	81.7	86.2	93.7	94.2	96.9	97.8	98.6	98.8	98.8	98.8	99.0	99.0	99.0
≥ 800		76.9	81.7	86.2	93.8	94.3	97.0	98.0	98.7	99.1	99.2	99.2	99.5	99.5	99.5
≥ 700		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8
≥ 600		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8
≥ 500		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8
≥ 400		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8
≥ 300		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0
≥ 200		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0
≥ 100		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0
≥ 0		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 AFMELTAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 4
 STATION

HEIDELBERG AAF DL
 STATION NAME

68-72,74-80
 YEARS

1800-2100
 MONTH
 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000	33.8	33.7	34.6	31.8	35.9	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 18000 ≥ 6700	33.5	39.8	41.6	43.0	43.2	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 14000 ≥ 7000	33.8	41.2	42.0	43.4	43.7	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 12000 ≥ 9000	43.5	45.5	47.6	49.4	49.6	51.2	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 8000 ≥ 7000	51.6	53.4	55.2	57.6	58.0	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000 ≥ 5000	53.1	55.1	58.0	61.6	61.1	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500 ≥ 4000	61.1	64.2	66.3	71.3	71.4	72.0	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500 ≥ 3000	63.3	66.9	71.9	75.5	75.9	77.5	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500 ≥ 2000	74.3	74.4	83.9	89.1	89.6	91.7	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800 ≥ 1500	75.4	81.4	86.1	91.7	92.3	94.8	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200 ≥ 1000	75.7	82.4	87.2	93.9	94.4	97.3	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900 ≥ 800	76.0	82.4	87.5	94.2	94.7	97.6	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700 ≥ 600	76.0	82.4	87.5	94.2	94.8	98.0	98.8	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500 ≥ 400	76.0	82.4	87.5	94.2	94.8	98.0	98.8	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300 ≥ 200	76.0	82.4	87.5	94.2	94.8	98.1	98.9	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0	76.0	82.4	87.5	94.2	94.8	98.1	98.9	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3440 HEDDLEB AAF DL

65-71,74-80

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21.0-23.0
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING ≥ 20000		32.0	34.4	34.9	30.1	36.1	36.7	36.8	36.7	36.8	36.8	36.8	36.8	36.8	36.8
≥ 18000		37.4	39.6	40.3	41.7	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 16000		37.6	39.8	41.5	41.9	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000		37.6	39.8	41.5	41.9	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000		37.6	39.8	41.5	41.9	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000		37.6	39.8	41.5	41.9	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000		42.4	44.8	46.0	47.6	47.6	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 6000		44.4	47.1	48.3	49.9	49.9	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 4000		51.2	53.3	54.6	57.0	57.0	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 3000		52.2	54.2	57.6	60.4	60.5	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 2000		53.5	57.3	58.7	61.5	61.6	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 1500		57.3	60.9	62.3	65.6	65.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 1000		62.0	65.7	67.6	71.7	71.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 800		65.3	69.2	71.9	76.7	76.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 600		68.4	72.7	76.0	81.2	81.4	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 400		73.4	77.7	82.0	87.5	87.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 300		75.4	80.9	84.6	90.4	90.6	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 200		76.2	82.7	86.5	92.6	93.0	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 150		76.9	83.4	87.2	93.4	93.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 100		77.4	84.3	88.1	94.9	95.6	97.4	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		77.6	84.5	88.4	95.7	96.3	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		77.6	84.5	88.4	95.9	96.6	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		77.6	84.5	88.4	95.9	96.6	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		77.6	84.5	88.4	95.9	96.6	98.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200		77.6	84.5	88.4	95.9	96.6	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		77.6	84.5	88.4	95.9	96.6	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 400		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 41
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	72.2	34.7	36.2	38.9	39.1	40.3	40.8	41.1	41.5	41.6	41.6	41.6	41.6	41.7	41.7	41.7
≥ 18000 ≥ 16000	32.5	35.0	36.6	39.3	39.5	40.6	41.2	41.5	41.8	41.9	42.0	42.0	42.0	42.1	42.1	42.1
≥ 14000 ≥ 12000	33.0	35.5	37.0	39.9	40.1	41.2	41.7	42.1	42.4	42.5	42.6	42.6	42.6	42.6	42.7	42.7
≥ 10000 ≥ 9000	33.7	36.4	38.0	40.9	41.0	42.2	42.7	43.1	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6
≥ 8000 ≥ 7000	35.2	39.2	41.2	44.3	44.5	45.9	46.4	46.8	47.1	47.3	47.3	47.4	47.4	47.4	47.4	47.4
≥ 6000 ≥ 5000	36.3	41.5	43.5	46.9	47.0	48.4	49.1	49.5	49.8	49.9	50.0	50.0	50.0	50.1	50.1	50.1
≥ 4500 ≥ 4000	43.2	45.7	46.9	52.7	53.0	54.7	55.5	56.0	56.4	56.5	56.6	56.6	56.6	56.7	56.7	56.7
≥ 3500 ≥ 3000	45.6	47.2	51.5	55.6	55.9	57.7	58.5	59.0	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7
≥ 2500 ≥ 2000	46.4	51.1	52.4	56.6	56.9	58.8	59.7	60.1	60.6	60.7	60.8	60.8	60.8	60.9	60.9	61.0
≥ 1500 ≥ 1000	47.4	52.3	55.7	60.1	60.4	62.4	63.2	63.7	64.2	64.3	64.4	64.4	64.4	64.4	64.5	64.6
≥ 1000 ≥ 800	53.1	57.2	59.8	64.7	65.0	67.1	68.1	69.5	69.0	69.1	69.2	69.2	69.2	69.3	69.3	69.4
≥ 800 ≥ 600	55.1	60.0	62.5	69.0	69.4	71.7	72.7	73.2	73.6	73.7	73.8	73.8	73.9	73.9	73.9	74.0
≥ 600 ≥ 500	60.4	65.2	68.5	74.6	75.0	77.3	78.4	79.9	79.4	79.5	79.6	79.6	79.7	79.7	79.7	79.7
≥ 500 ≥ 400	63.4	69.2	72.7	79.2	79.5	82.0	83.1	83.7	84.3	84.4	84.5	84.5	84.5	84.6	84.6	84.7
≥ 400 ≥ 300	66.4	72.1	75.9	83.3	83.3	86.7	87.2	87.8	88.4	88.5	88.6	88.6	88.7	88.7	88.7	88.7
≥ 300 ≥ 200	67.8	75.1	79.3	87.3	87.7	90.9	92.2	92.8	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7
≥ 200 ≥ 100	69.1	75.6	79.8	88.0	88.4	91.6	93.0	93.6	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.5
≥ 100 ≥ 0	69.6	76.3	80.6	89.3	89.9	93.3	94.7	95.5	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.7
≥ 0	69.9	76.7	81.1	90.2	90.8	94.3	95.8	96.6	97.4	97.5	97.6	97.6	97.7	97.7	97.7	97.9
≥ 0	70.0	76.9	81.3	90.6	91.2	94.7	96.3	97.1	97.9	98.0	98.1	98.1	98.2	98.3	98.3	98.4
≥ 0	70.0	76.9	81.4	90.7	91.2	94.9	96.5	97.3	98.1	98.3	98.5	98.5	98.5	98.6	98.6	98.7
≥ 0	70.0	76.9	81.4	90.7	91.4	95.1	96.7	97.5	98.4	98.6	98.8	98.8	98.8	98.9	98.9	99.0
≥ 0	70.0	76.9	81.4	90.9	91.5	95.3	96.9	97.7	98.6	98.9	99.1	99.1	99.2	99.2	99.3	99.3
≥ 0	70.1	77.0	81.5	91.0	91.6	95.4	97.0	97.8	98.8	99.1	99.3	99.3	99.4	99.4	99.5	99.5
≥ 0	70.1	77.1	81.6	91.0	91.7	95.5	97.1	97.9	99.0	99.2	99.5	99.5	99.6	99.6	99.7	99.7
≥ 0	70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.0	99.0	99.3	99.5	99.5	99.7	99.7	99.8	99.8
≥ 0	70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.0	99.0	99.3	99.5	99.5	99.7	99.7	99.8	99.8
≥ 0	70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.0	99.0	99.3	99.5	99.5	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46
STATION

HEIDELBERG AAF HL
STATION NAME

68-73,74-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
≥ 20000	47.2	47.9	48.3	48.9	49.0	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000	52.2	52.9	53.6	54.2	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	52.2	52.9	53.6	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	52.2	52.9	53.6	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000	52.2	52.9	53.6	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	56.8	57.6	58.6	59.3	59.4	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	66.7	67.9	69.6	70.7	70.8	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	66.7	67.9	69.6	70.7	70.8	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	75.4	77.2	78.9	80.1	80.2	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	88.9	92.9	95.7	97.6	97.8	98.6	98.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	88.9	92.9	95.7	97.6	97.8	98.6	98.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	88.9	92.9	95.7	97.6	97.8	98.6	98.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	88.9	92.9	95.7	97.6	97.8	98.6	98.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	88.9	92.9	95.7	97.6	97.8	98.6	98.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	89.0	93.0	95.8	97.7	97.9	98.7	99.1	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

JOINT CLIMATOLOGY BRANCH
 AFM ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34-41

HEIDELBERG AAF DL

68-70, 74-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

300-7500
 HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.1	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0
NO CEILING		41.1	41.9	42.4	42.8	43.0	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1
≥ 2000		43.3	47.7	48.3	48.6	48.8	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9
≥ 1800		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 1600		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 1400		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 1200		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 1000		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 800		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 600		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 400		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 200		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 100		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1
≥ 0		43.6	47.9	48.6	48.9	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4

HEIDELBERG AAF DL

68-70, 74-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		35.4	35.3	41.6	43.6	44.2	44.7	44.7	44.7	44.8	45.1	45.1	45.1	45.1	45.2	45.2
≥ 20000		37.4	41.3	43.6	47.1	47.6	48.4	46.4	48.4	48.5	48.7	48.7	48.7	48.7	48.9	49.1
≥ 18000		37.5	41.5	43.8	47.3	47.8	48.7	48.7	48.7	48.8	49.1	49.1	49.1	49.1	49.3	49.4
≥ 16000		37.6	41.6	43.9	47.4	47.9	48.8	48.8	48.8	48.9	49.2	49.2	49.2	49.2	49.4	49.5
≥ 14000		37.7	41.8	44.2	47.6	48.2	49.1	49.1	49.1	49.2	49.4	49.4	49.4	49.4	49.6	49.7
≥ 12000		37.9	42.0	44.4	47.8	48.4	49.3	49.3	49.3	49.4	49.6	49.6	49.6	49.6	49.8	49.9
≥ 10000		40.4	44.7	47.2	50.9	51.5	52.4	52.5	52.5	52.6	52.8	52.8	52.8	52.8	53.1	53.2
≥ 9500		41.7	45.2	48.6	52.8	53.4	54.3	54.4	54.4	54.5	54.7	54.7	54.7	54.7	54.9	55.1
≥ 9000		47.1	50.6	55.3	60.1	60.6	62.0	62.2	62.2	62.3	62.5	62.5	62.5	62.5	62.7	63.0
≥ 8500		45.7	54.6	57.6	62.5	63.1	64.4	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.2	65.4
≥ 8000		49.2	55.4	58.5	63.4	64.2	65.4	65.6	65.6	65.7	66.0	66.0	66.0	66.0	66.2	66.4
≥ 7500		51.5	58.2	61.3	66.6	67.3	68.7	69.1	69.1	69.2	69.4	69.4	69.4	69.4	69.6	69.9
≥ 7000		54.2	61.4	65.2	70.4	71.1	72.6	73.1	73.2	73.3	73.5	73.5	73.5	73.5	73.7	74.0
≥ 6500		57.1	64.5	68.1	73.7	74.4	76.3	76.8	76.9	77.0	77.2	77.2	77.2	77.2	77.4	77.6
≥ 6000		60.1	67.7	71.9	77.5	78.2	80.1	80.5	80.6	80.8	81.0	81.0	81.0	81.0	81.2	81.4
≥ 5500		61.4	69.7	74.0	80.0	80.6	82.6	83.2	83.3	83.4	83.8	83.8	83.8	83.8	84.0	84.2
≥ 5000		62.7	71.5	76.3	82.6	83.4	86.2	86.8	86.9	87.0	87.3	87.3	87.3	87.3	87.5	87.8
≥ 4500		65.4	74.7	79.9	86.7	87.4	91.0	91.7	91.8	92.2	92.5	92.5	92.5	92.5	92.8	93.1
≥ 4000		65.6	75.1	80.2	87.2	88.1	91.7	92.3	92.4	93.0	93.3	93.3	93.3	93.3	93.5	93.8
≥ 3500		66.4	76.5	81.8	89.0	90.0	93.8	94.7	94.9	95.6	95.9	95.9	95.9	95.9	96.1	96.3
≥ 3000		67.1	76.8	82.1	89.3	90.3	94.2	95.1	95.3	96.0	96.3	96.3	96.3	96.3	96.6	96.8
≥ 2500		67.3	77.1	82.3	89.5	90.5	94.5	95.6	96.0	96.8	97.1	97.1	97.1	97.1	97.3	97.6
≥ 2000		67.4	77.1	82.4	89.7	90.7	94.7	95.8	96.3	97.1	97.4	97.4	97.4	97.4	97.7	97.9
≥ 1500		67.4	77.1	82.4	89.7	90.7	94.7	95.9	96.4	97.2	97.6	97.7	97.7	97.7	97.9	98.1
≥ 1000		67.4	77.1	82.4	89.7	90.7	94.7	95.9	96.4	97.3	97.7	97.8	97.8	97.8	98.0	98.2
≥ 800		67.4	77.2	82.5	89.8	90.8	94.8	96.0	96.7	97.6	97.9	98.0	98.0	98.0	98.2	98.4
≥ 600		67.4	77.2	82.5	89.8	90.8	94.9	96.1	96.8	97.7	98.0	98.1	98.1	98.1	98.3	98.6
≥ 400		67.4	77.2	82.5	89.8	90.8	94.9	96.2	96.9	98.2	98.6	98.7	98.7	98.7	99.0	99.4
≥ 300		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.0	99.3	99.8
≥ 200		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.0	99.3	99.9
≥ 100		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.0	99.3	100.0
≥ 0		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

899

U.S. AIR FORCE
 AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 40

WILDLIFE GAAF JL

68-70,74-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.1	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.2	≥ 1.4	≥ 1.6	≥ 1.8	≥ 2.0
≥ 2000		34.4	37.0	39.0	41.6	41.9	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.7
≥ 1800		37.0	40.1	42.4	46.3	46.8	47.3	47.6	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.1
≥ 1600		37.2	40.5	42.9	46.8	47.2	47.8	48.0	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.6
≥ 1400		37.2	40.5	42.9	46.8	47.2	47.8	48.0	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.6
≥ 1200		37.6	41.0	43.4	47.3	47.8	48.4	48.7	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.2
≥ 1000		38.1	41.5	44.0	47.9	48.4	49.1	49.3	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.9
≥ 800		39.0	42.4	45.1	49.3	49.8	50.4	50.7	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.2
≥ 600		40.3	44.1	46.9	51.1	51.6	52.2	52.6	52.7	52.9	52.9	52.9	53.0	53.0	53.0	53.1
≥ 400		46.1	50.2	53.5	58.8	59.4	60.1	60.6	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.1
≥ 200		47.1	51.2	54.5	59.8	60.4	61.1	61.6	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.2
≥ 100		47.7	51.8	55.1	60.5	61.0	61.9	62.4	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.0
≥ 0		48.4	52.5	55.8	61.2	61.7	62.6	63.1	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.7
≥ 2000		54.7	59.4	63.0	68.6	69.2	70.2	70.7	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.4
≥ 1800		57.7	62.5	66.5	72.4	73.1	74.2	74.7	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.4
≥ 1600		62.6	67.6	71.7	78.1	78.7	79.8	80.4	80.7	80.8	80.8	80.8	81.0	81.0	81.0	81.1
≥ 1400		65.5	70.7	75.1	81.7	82.4	83.6	84.3	84.6	84.7	84.7	84.7	84.9	84.9	84.9	85.0
≥ 1200		67.1	72.0	77.2	84.1	84.7	86.2	86.9	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.6
≥ 1000		70.3	76.1	81.6	89.0	89.6	92.2	93.2	93.5	93.8	93.8	93.8	93.9	93.9	93.9	94.0
≥ 800		70.5	76.3	81.8	89.2	89.9	92.4	93.7	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.5
≥ 600		71.3	77.5	82.2	90.8	91.4	94.4	95.7	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.5
≥ 400		71.4	77.6	82.5	91.2	91.9	95.0	96.3	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.2
≥ 200		71.6	77.8	83.1	92.3	93.0	96.1	97.4	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.4
≥ 100		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 0		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 2000		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 1800		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 1600		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 1400		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 1200		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 1000		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 800		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 600		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 400		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 200		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 100		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0
≥ 0		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		37.8	38.7	38.9	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000		44.3	45.2	45.6	47.3	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000		44.3	45.4	45.8	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000		44.3	45.4	45.8	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000		44.3	45.4	45.8	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000		45.1	46.2	46.6	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000		46.3	47.7	48.2	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 9000		47.8	49.5	50.1	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 8000		51.6	53.4	54.4	56.6	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000		52.7	54.5	55.5	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 6000		52.9	54.7	55.7	58.1	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 5000		55.6	57.5	58.5	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4500		61.7	63.8	65.0	67.6	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000		66.5	68.9	70.2	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500		75.0	77.3	78.6	82.1	82.3	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000		79.2	81.9	83.4	86.9	87.1	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500		80.8	83.5	85.3	89.1	89.3	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2000		83.6	86.9	89.1	93.9	94.1	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800		83.9	87.3	89.7	94.7	94.9	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500		84.3	88.0	90.5	95.7	95.9	97.1	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		85.1	88.9	91.5	96.9	97.1	98.4	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		85.1	88.9	91.5	96.9	97.1	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		85.1	89.1	91.7	97.0	97.2	98.6	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		85.1	89.3	92.0	97.3	97.6	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		85.1	89.3	92.0	97.3	97.6	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDLLBERG AAF DL

66-70,74-80

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1969
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		39.5	39.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000		45.9	45.3	46.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000		46.2	46.5	46.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000		46.2	46.5	46.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000		46.3	46.6	46.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000		47.1	47.4	47.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 10000		50.1	50.6	51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 9000		51.7	52.4	52.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000		57.3	58.1	58.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000		59.2	60.0	60.5	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000		58.6	61.4	62.1	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 5000		64.2	65.0	65.6	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500		65.7	69.5	70.2	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000		74.2	75.1	75.6	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500		80.2	81.1	81.9	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000		84.4	85.7	86.4	88.8	88.8	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		87.0	88.6	89.8	92.4	92.4	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000		89.9	92.1	93.6	97.0	97.0	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800		89.9	92.2	94.0	97.7	97.7	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		89.9	92.2	94.1	98.0	98.0	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200		90.0	92.3	94.3	98.2	98.2	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		90.0	92.3	94.4	98.3	98.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		90.0	92.5	94.7	98.6	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3446

WIDELLEGG AAF IL

68-70,74-81

AP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1959
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	43.3 51.3	44.6 51.6	44.6 52.1	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9	45.2 52.9
≥ 18000 ≥ 6000	51.7 51.7	51.9 51.9	52.4 52.4	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2	53.2 53.2
≥ 14000 ≥ 12000	51.9 53.1	52.1 53.3	52.7 53.9	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7	53.4 54.7
≥ 10000 ≥ 9000	56.7 59.1	57.0 59.3	57.9 60.2	58.7 61.0	58.7 61.0	59.0 61.3	59.0 61.3	59.1 61.3	59.1 61.3	59.1 61.3	59.1 61.3	59.1 61.3	59.1 61.3	59.1 61.3	59.1 61.3	59.1 61.3
≥ 8000 ≥ 7000	66.3 66.2	66.9 66.9	67.9 69.9	68.8 70.8	68.8 70.8	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1	69.1 71.1
≥ 6000 ≥ 5000	69.1 72.1	69.8 72.8	70.8 73.9	71.7 74.9	71.7 74.9	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2	72.0 75.2
≥ 4500 ≥ 4000	74.9 81.6	75.6 81.6	76.7 82.8	78.0 84.1	78.0 84.1	78.3 84.4	78.3 84.7	78.3 84.7	78.3 84.7	78.3 84.7	78.3 84.7	78.3 84.7	78.3 84.7	78.3 84.7	78.3 84.7	78.3 84.7
≥ 3500 ≥ 3000	83.6 86.1	85.1 87.8	86.8 89.7	88.2 91.2	88.2 91.2	88.7 91.7	88.9 91.9	88.9 91.9	88.9 91.9	88.9 91.9	88.9 91.9	88.9 91.9	88.9 91.9	88.9 91.9	88.9 91.9	88.9 91.9
≥ 2500 ≥ 2000	87.2 98.6	89.1 91.4	92.2 94.2	93.9 97.1	93.9 97.1	94.3 97.6	94.6 97.8	94.6 97.8	94.6 97.8	94.6 97.8	94.6 97.8	94.6 97.8	94.6 97.8	94.6 97.8	94.6 97.8	94.6 97.8
≥ 800 ≥ 1500	98.8 89.1	99.7 91.0	94.4 95.1	97.3 98.2	97.3 98.2	97.8 98.7	98.0 99.1	98.0 99.1	98.0 99.1	98.0 99.1	98.0 99.1	98.0 99.1	98.0 99.1	98.0 99.1	98.0 99.1	98.0 99.1
≥ 1200 ≥ 1000	89.1 87.1	91.1 91.1	95.3 95.3	98.4 98.4	98.4 98.4	98.9 98.9	99.1 99.1	99.3 99.3	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4
≥ 900 ≥ 800	89.1 89.1	91.1 91.2	95.3 95.6	98.4 98.7	98.4 98.7	98.9 99.1	99.1 99.3	99.3 99.6	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7
≥ 700 ≥ 600	89.1 89.1	91.2 91.2	95.6 95.6	98.7 98.7	98.7 98.7	99.1 99.1	99.3 99.6	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 500 ≥ 400	89.1 89.1	91.2 91.2	95.6 95.6	98.7 98.7	98.7 98.7	99.1 99.1	99.3 99.6	99.6 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
≥ 300 ≥ 200	89.1 89.1	91.2 91.2	95.6 95.6	98.7 98.7	98.7 98.7	99.1 99.1	99.3 99.6	99.6 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 100 ≥ 0	89.1 87.1	91.2 91.2	95.6 95.6	98.7 98.7	98.7 98.7	99.1 99.1	99.3 99.6	99.6 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

38 46

HEIDELBERG AAF DL

68-70, 74-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

410-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.9	47.1	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000		51.2	51.4	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000		51.2	51.4	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000		51.3	51.6	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000		51.4	51.7	52.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000		52.8	53.7	53.7	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000		57.9	58.1	58.8	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 9000		60.7	61.1	61.8	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000		59.0	60.8	70.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 7000		71.4	71.2	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000		71.4	72.2	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000		75.2	75.9	76.8	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4500		78.6	79.6	81.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000		82.1	83.3	84.6	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500		85.2	86.6	88.4	89.3	89.3	89.3	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3000		87.2	88.8	91.8	91.6	91.6	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500		88.3	91.3	92.9	93.9	93.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000		90.5	92.4	95.3	96.4	96.4	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		90.5	92.6	95.7	97.0	97.0	97.0	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		90.9	93.1	96.2	97.7	97.7	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200		91.9	93.2	96.4	98.0	98.0	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6
≥ 600		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.7
≥ 500		90.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.4	99.4	99.7	99.8	99.8	99.8	99.8
≥ 400		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 300		90.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 200		90.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 100		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 0		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 893

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMAT. CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

34 41

HEIDELBERG AAF JL

68-70, 74-80

AP7

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥
NO CEILING		40.0	40.0	42.5	44.3	44.4	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44
≥ 20000		45.7	47.0	48.0	49.8	50.0	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50
≥ 18000		45.7	47.3	48.3	50.1	50.2	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50
≥ 16000		45.7	47.3	48.3	50.1	50.3	50.5	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50
≥ 14000		46.0	47.5	48.5	50.3	50.5	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51
≥ 12000		46.6	48.2	49.2	51.1	51.2	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51
≥ 10000		49.7	51.2	52.4	54.4	54.6	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55
≥ 9000		51.6	53.3	54.6	56.7	56.9	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57
≥ 8000		57.7	59.8	61.4	63.8	64.0	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7	64
≥ 7000		59.4	61.6	63.2	65.7	65.8	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66
≥ 6000		61.0	62.5	64.1	66.6	66.8	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67
≥ 5000		63.0	65.4	67.1	69.6	69.8	71.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70
≥ 4500		67.3	69.8	71.7	74.3	74.5	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75
≥ 4000		71.0	73.6	75.9	78.8	79.0	79.6	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80
≥ 3500		75.5	78.5	80.8	83.8	84.1	84.7	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85
≥ 3000		79.1	81.4	83.9	87.1	87.3	88.0	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88
≥ 2500		83.7	85.5	88.2	89.6	89.8	90.7	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91
≥ 2000		82.1	86.1	89.3	93.3	93.5	94.7	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95
≥ 1800		82.3	86.3	89.6	93.8	94.0	95.1	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	96
≥ 1500		82.9	87.1	91.5	94.9	95.1	96.5	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97
≥ 1200		83.2	87.4	91.9	95.4	95.6	97.1	97.6	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98
≥ 1000		83.2	87.5	91.1	95.7	96.0	97.4	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98
≥ 900		83.3	87.6	91.3	95.8	96.1	97.6	98.2	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98
≥ 800		83.3	87.7	91.4	96.0	96.2	97.7	98.3	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99
≥ 700		83.3	87.8	91.4	96.0	96.3	97.8	98.4	98.7	98.9	99.0	99.1	99.2	99.2	99.2	99
≥ 600		83.3	87.8	91.5	96.1	96.4	97.9	98.6	98.8	99.1	99.2	99.3	99.3	99.3	99.4	99
≥ 500		83.3	87.8	91.5	96.1	96.4	98.0	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99
≥ 400		83.3	87.8	91.5	96.1	96.4	98.0	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.8	99
≥ 300		83.3	87.8	91.5	96.1	96.4	98.0	98.8	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99
≥ 200		83.3	87.8	91.5	96.1	96.4	98.0	98.8	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99
≥ 100		83.3	87.8	91.5	96.1	96.4	98.0	98.8	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99
≥ 0		83.4	87.8	91.5	96.1	96.4	98.1	98.8	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99

TOTAL NUMBER OF OBSERVATIONS 71

AD-A110 049 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81

UNCLASSIFIED USAFETAC/DS-81/090

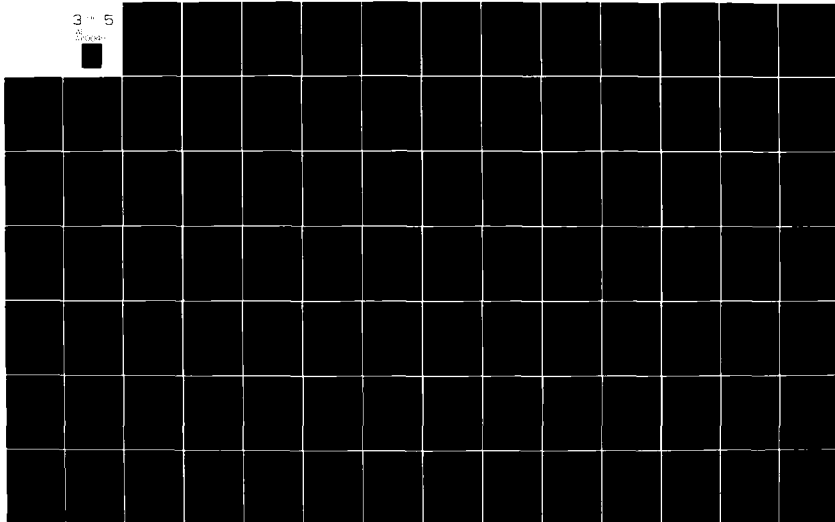
SBI-AD-E850 110

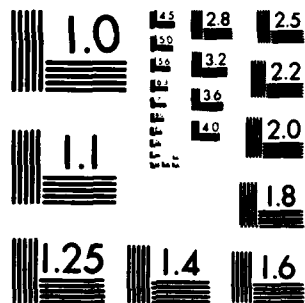
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A.

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3440

HEIDELBERG AAF DL

68-70,74-87

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		48.9	49.9	50.3	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000		51.3	51.4	51.9	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000		50.5	51.6	52.2	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000		51.5	51.6	52.2	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000		50.8	51.8	52.4	53.0	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000		51.2	52.3	52.8	53.4	53.4	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000		50.6	57.8	58.6	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 9000		50.5	59.9	60.6	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000		70.1	71.9	73.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		73.5	75.4	76.7	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000		74.3	76.1	77.5	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000		76.6	78.5	80.0	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		78.9	81.3	83.2	84.3	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4000		81.5	84.2	86.2	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3500		83.0	86.2	88.6	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000		84.4	87.7	90.2	91.6	91.6	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500		84.7	88.1	91.6	92.2	92.3	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000		85.9	89.6	92.3	94.0	94.1	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800		86.2	89.9	92.7	94.5	94.6	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500		86.5	91.3	93.2	95.1	95.3	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		86.5	90.3	93.2	95.1	95.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000		86.5	90.5	93.4	95.6	95.8	96.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		86.5	90.8	93.8	95.9	96.1	97.2	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		86.6	91.0	94.0	96.1	96.3	97.4	97.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		86.7	91.1	94.1	96.2	96.5	97.5	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		86.7	91.3	94.3	96.5	96.7	97.7	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500		86.7	91.3	94.3	96.5	96.7	98.1	98.5	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400		86.7	91.3	94.3	96.5	96.7	98.1	98.6	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		86.7	91.3	94.3	96.5	96.7	98.2	98.7	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		86.7	91.3	94.3	96.5	96.7	98.2	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.7	91.3	94.3	96.5	96.7	98.2	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.7	91.3	94.3	96.5	96.7	98.2	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		42.9	44.8	45.9	47.6	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2
≥ 20000		45.7	47.7	49.0	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 18000		45.7	47.7	49.0	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 16000		45.7	47.7	49.0	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 14000		45.7	47.7	49.0	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 12000		46.6	48.9	50.2	52.5	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 10000		50.3	52.6	54.1	56.6	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 9000		53.7	56.1	57.8	60.4	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1
≥ 8000		61.6	64.4	66.3	69.5	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.2
≥ 7000		64.5	67.7	69.7	72.9	73.1	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.9
≥ 6000		65.2	68.4	70.4	74.0	74.2	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.9
≥ 5000		68.3	71.8	74.1	77.7	78.3	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.2
≥ 4500		70.5	74.6	76.9	81.1	81.6	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.6
≥ 4000		73.4	78.1	80.6	84.8	85.4	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.3
≥ 3500		75.3	80.3	82.9	87.2	87.7	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.7	88.7	88.8
≥ 3000		76.0	81.5	84.2	88.7	89.4	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.6
≥ 2500		77.0	82.5	85.2	89.8	90.4	91.2	91.3	91.3	91.5	91.5	91.5	91.5	91.6	91.6	91.7
≥ 2000		77.5	83.4	86.2	91.0	91.8	92.8	92.9	92.9	93.2	93.2	93.2	93.2	93.3	93.3	93.4
≥ 1800		77.5	83.5	86.6	91.4	92.3	93.2	93.3	93.3	93.7	93.7	93.7	93.7	93.8	93.8	93.9
≥ 1500		78.1	84.1	87.3	92.3	93.1	94.3	94.4	94.4	94.7	94.7	94.7	94.7	94.8	94.8	94.9
≥ 1200		78.1	84.2	87.4	92.6	93.4	95.1	95.3	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.9
≥ 1000		78.1	84.2	87.4	93.1	94.0	96.0	96.5	96.6	96.9	96.9	96.9	96.9	97.0	97.0	97.1
≥ 900		78.4	84.6	87.8	93.5	94.4	96.5	96.9	97.0	97.4	97.4	97.4	97.4	97.5	97.5	97.6
≥ 800		78.5	84.8	88.2	94.0	94.9	97.0	97.4	97.5	98.0	98.0	98.0	98.0	98.1	98.1	98.2
≥ 700		78.5	84.8	88.2	94.0	94.9	97.0	97.8	98.0	98.4	98.4	98.4	98.4	98.5	98.5	98.6
≥ 600		78.5	85.1	88.4	94.3	95.3	97.3	98.2	98.3	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥ 500		78.5	85.1	88.4	94.3	95.3	97.6	98.5	98.6	99.4	99.4	99.4	99.4	99.5	99.5	99.6
≥ 400		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 300		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.7	99.7	99.8
≥ 200		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.8	99.8	99.9
≥ 100		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.8	99.9	100.0
≥ 0		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.8	37.7	39.6	42.0	42.4	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000		38.2	41.3	42.9	46.0	46.5	47.5	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000		38.2	41.3	42.9	46.0	46.5	47.5	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000		38.2	41.3	42.9	46.0	46.5	47.5	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 14000		38.5	41.6	43.3	46.9	47.3	48.4	48.9	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000		39.1	41.5	44.4	48.3	48.7	49.8	50.3	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000		43.5	46.8	50.1	54.4	54.8	56.1	56.7	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000		45.9	49.2	52.7	57.3	57.7	59.7	59.6	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000		50.2	54.3	59.0	64.9	65.4	66.8	67.5	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000		53.2	57.6	62.4	68.3	68.7	70.1	71.0	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000		54.0	58.4	63.2	69.2	69.7	71.1	72.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 5000		56.9	61.3	66.1	72.5	73.1	74.7	75.9	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500		58.9	63.7	68.6	75.2	75.8	77.6	78.8	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000		61.6	66.5	71.8	78.7	79.4	81.2	82.5	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500		63.9	68.9	74.4	81.4	82.0	84.1	85.4	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000		64.4	69.6	75.2	82.3	82.9	85.6	86.9	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500		65.2	70.9	76.5	83.9	84.5	87.3	88.6	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000		66.6	73.0	79.2	87.3	88.1	91.1	92.5	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800		66.6	73.0	79.2	87.3	88.1	91.1	92.5	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500		66.7	73.2	79.6	88.1	88.8	91.8	93.2	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200		66.8	73.4	79.9	88.8	89.6	92.9	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000		66.8	73.4	80.0	89.2	90.1	93.4	95.1	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900		66.8	73.5	80.2	89.6	90.4	93.8	95.4	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		66.8	73.8	80.4	90.1	91.0	94.5	96.1	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700		66.8	73.9	80.5	90.4	91.3	95.2	96.8	97.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		66.8	73.9	80.5	90.6	91.5	95.4	97.0	97.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.5	99.6	99.6	99.6	99.6	99.6
≥ 300		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 200		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.6	99.7	99.7	99.8	99.8	99.9
≥ 100		66.8	73.9	80.5	90.8	91.6	95.5	97.3	97.8	99.5	99.7	99.8	99.8	99.9	99.9	100.0
≥ 0		66.8	73.9	80.5	90.8	91.6	95.5	97.3	97.8	99.5	99.7	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		38.5 44.0	41.0 45.6	43.0 46.6	43.1 49.1	43.1 49.2	43.2 49.2	43.2 49.4	43.2 49.4	43.2 49.4	43.2 49.4	43.2 49.4	43.2 49.4	43.2 49.4	43.2 49.4	43.2 49.4
≥ 18000 IV 16000		44.4 44.4	46.0 46.1	47.0 47.1	49.6 49.8	49.7 49.9	49.7 49.9	49.8 50.0	49.8 50.0	49.8 50.0	49.8 50.0	49.8 50.0	49.8 50.0	49.8 50.0	49.8 50.0	49.8 50.0
IV 14000 IV 12000		44.8 45.7	46.6 47.4	47.6 48.5	50.4 51.4	50.5 51.5	50.5 51.5	50.6 51.6	50.6 51.6	50.6 51.6	50.6 51.6	50.6 51.6	50.6 51.6	50.6 51.6	50.6 51.6	50.6 51.6
IV 10000 IV 9000		48.7 50.8	50.4 52.7	51.8 54.1	55.4 57.8	55.6 58.1	55.8 58.3	55.9 58.4	55.9 58.4	55.9 58.4	55.9 58.4	55.9 58.4	55.9 58.4	55.9 58.4	55.9 58.4	55.9 58.4
≥ 8000 IV 7000		56.0 57.4	58.7 60.1	60.6 62.2	65.3 66.9	65.5 67.1	66.2 67.8	66.5 68.1	66.5 68.1	66.5 68.1	66.5 68.1	66.5 68.1	66.5 68.1	66.5 68.1	66.5 68.1	66.5 68.1
≥ 6000 IV 5000		58.2 60.6	60.9 63.4	62.9 65.6	67.6 70.4	67.8 70.6	68.6 71.5	68.9 71.8	68.9 71.8	68.9 71.9	68.9 71.9	68.9 71.9	68.9 71.9	68.9 71.9	68.9 71.9	68.9 71.9
IV 4500 IV 4000		62.3 64.9	65.4 68.3	68.0 71.4	72.9 76.5	73.2 76.8	74.1 77.6	74.5 78.3	74.5 78.3	74.7 78.5	74.7 78.5	74.7 78.5	74.7 78.5	74.7 78.5	74.7 78.5	74.7 78.5
IV 3500 IV 3000		69.4 72.0	72.8 75.9	76.2 79.5	81.6 85.3	81.9 85.6	82.9 86.7	83.5 87.3	83.5 87.3	83.8 87.5	83.8 87.5	83.8 87.5	83.8 87.5	83.9 87.6	83.9 87.6	83.9 87.6
IV 2500 IV 2000		73.2 73.9	77.4 78.8	81.1 82.8	87.1 89.4	87.6 89.9	89.1 91.7	89.8 92.4	89.8 92.5	90.0 92.7	90.0 92.7	90.0 92.7	90.0 92.7	90.1 92.8	90.1 92.8	90.1 92.8
IV 1800 IV 1500		74.0 74.3	79.1 79.7	83.2 83.9	89.8 91.4	90.3 91.9	92.2 93.8	92.9 95.2	93.0 95.3	93.2 95.5	93.2 95.5	93.2 95.5	93.2 95.5	93.3 95.6	93.3 95.6	93.3 95.6
IV 1200 IV 1000		74.8 74.8	80.3 80.3	84.5 84.7	92.3 92.8	92.8 93.3	94.8 95.4	96.2 96.8	96.3 96.9	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.8 97.3	96.8 97.3	96.8 97.3
≥ 900 IV 800		75.3 75.4	81.0 81.2	85.4 85.6	93.4 93.7	94.0 94.2	96.0 96.2	97.5 97.7	97.6 97.8	98.0 98.2	98.0 98.2	98.0 98.2	98.0 98.2	98.1 98.3	98.1 98.3	98.1 98.3
IV 700 IV 600		75.5 75.5	81.4 81.4	85.8 85.8	94.2 94.2	94.8 94.8	97.0 97.0	98.6 98.6	98.8 98.8	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.2 99.2	99.2 99.2	99.2 99.2
IV 500 IV 400		75.5 75.5	81.4 81.4	85.8 85.8	94.2 94.2	94.8 94.8	97.0 97.0	98.8 98.9	99.1 99.2	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.7 99.8	99.7 99.8	99.7 99.8
IV 300 IV 200		75.5 75.5	81.4 81.4	85.8 85.8	94.2 94.2	94.8 94.8	97.0 97.0	98.9 98.9	99.2 99.2	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 IV 0		75.5 75.5	81.4 81.4	85.8 85.8	94.2 94.2	94.8 94.8	97.0 97.0	98.9 98.9	99.2 99.2	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.8	41.8	42.4	42.9	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4
≥ 20000		46.0	47.2	47.7	48.5	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0
≥ 18000		46.1	47.4	48.0	48.8	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.4
≥ 16000		46.2	47.5	48.1	48.9	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5
≥ 14000		46.8	48.1	48.6	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0
≥ 12000		48.1	49.5	50.1	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5
≥ 10000		49.8	51.3	52.0	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5
≥ 9000		50.8	52.5	53.2	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
≥ 8000		56.2	58.0	58.8	60.3	60.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
≥ 7000		58.1	59.9	60.8	62.3	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 6000		59.2	61.1	61.9	63.4	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4
≥ 5000		62.8	64.7	65.7	67.2	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
≥ 4500		68.6	71.3	72.7	74.2	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
≥ 4000		73.3	76.3	78.0	79.8	80.1	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
≥ 3500		80.1	83.2	84.9	87.0	87.3	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5
≥ 3000		82.3	85.4	87.2	89.4	89.7	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
≥ 2500		83.3	87.7	88.8	91.2	91.5	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 2000		83.9	88.0	90.0	93.1	93.4	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥ 1800		84.1	88.3	90.3	93.4	93.8	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 1500		84.5	88.9	91.1	94.2	94.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5
≥ 1200		84.7	89.4	91.6	95.3	95.7	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 1000		84.7	89.4	91.6	95.3	95.7	97.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
≥ 900		84.8	89.8	92.0	95.9	96.3	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 800		84.8	89.8	92.0	95.9	96.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
≥ 700		84.8	89.8	92.2	96.2	96.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 600		84.8	89.8	92.2	96.2	96.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 500		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		42.7	42.9	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		48.3	48.6	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000		48.8	49.1	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000		48.8	49.1	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000		49.9	51.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 12000		50.9	51.2	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000		54.5	54.8	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 9000		57.1	57.4	57.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 8000		64.6	65.1	65.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000		66.6	67.2	67.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000		67.8	68.7	69.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 5000		72.3	73.1	73.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500		77.0	78.2	79.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000		81.4	82.8	83.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500		87.0	88.6	89.5	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000		88.7	90.5	91.4	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500		89.5	91.3	92.2	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000		90.4	92.5	93.7	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		91.8	92.8	94.0	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		92.9	93.1	94.3	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		93.9	93.1	94.3	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		93.9	93.1	94.3	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		93.9	93.2	94.6	97.8	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800		90.9	93.3	94.7	98.5	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		90.9	93.3	94.7	98.5	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		90.9	93.3	94.7	98.6	98.6	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
CMAFLTAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING		44.6	45.1	45.1	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000		51.3	51.8	51.8	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000		51.7	52.3	52.3	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000		51.8	52.4	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000		52.0	52.6	52.6	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000		53.5	54.1	54.1	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000		57.1	57.6	57.8	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000		61.0	61.7	61.9	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000		68.4	69.5	69.8	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 7000		70.5	71.6	71.9	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000		71.8	72.9	73.2	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000		76.0	77.3	77.8	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4500		80.5	82.0	82.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000		84.3	85.8	86.7	87.8	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500		87.5	89.1	89.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000		89.9	91.4	92.4	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500		90.8	92.3	93.2	95.1	95.1	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000		91.4	92.9	94.1	95.9	95.9	96.5	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		91.5	93.2	94.4	96.2	96.2	96.8	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		91.7	93.4	94.8	96.8	96.8	97.4	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		91.7	93.7	95.2	97.2	97.2	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000		91.7	93.7	95.2	97.2	97.2	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900		91.7	93.7	95.2	97.2	97.2	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800		91.7	93.7	95.3	97.5	97.5	98.2	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		91.7	93.8	95.6	98.0	98.0	98.6	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		48.6	49.7	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000		51.7	52.3	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000		51.9	52.5	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000		51.9	52.5	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000		52.6	53.1	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 12000		53.0	53.5	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000		57.5	58.3	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 9000		60.3	61.2	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000		68.2	69.7	69.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		70.8	72.3	72.4	73.0	73.0	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 6000		71.6	73.1	73.2	74.0	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		75.7	77.5	78.1	78.8	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500		78.8	80.9	81.8	82.8	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000		82.6	84.8	85.8	86.8	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500		85.3	87.7	88.7	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000		87.5	90.3	91.3	92.8	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500		88.9	91.8	92.8	94.3	94.3	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000		89.9	93.0	94.0	95.5	95.5	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800		89.9	93.0	94.0	95.5	95.5	95.6	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500		90.1	93.5	94.5	96.0	96.0	96.1	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200		90.1	93.7	94.6	96.2	96.2	96.3	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000		90.1	93.8	94.8	96.5	96.5	96.7	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900		90.1	93.8	94.8	96.5	96.5	96.7	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800		90.1	94.1	95.2	97.0	97.0	97.2	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		90.2	94.2	95.4	97.3	97.3	97.5	98.5	98.6	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-70,74-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING		42.7	43.6	44.5	45.5	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0
≥ 20000		46.9	48.1	48.9	50.2	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
≥ 18000		47.2	48.4	49.1	50.4	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0
≥ 16000		47.2	48.4	49.2	50.5	50.6	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000		47.6	48.8	49.6	51.0	51.1	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000		48.5	49.8	50.6	52.1	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000		52.3	53.7	54.7	56.5	56.6	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000		54.7	56.3	57.4	59.2	59.4	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000		61.9	63.9	65.4	67.7	67.8	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5
≥ 7000		64.3	66.5	67.9	70.3	70.5	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
≥ 6000		65.3	67.4	69.0	71.4	71.6	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000		68.6	71.0	72.6	75.2	75.4	75.9	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500		71.9	74.7	76.6	79.4	79.6	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6
≥ 4000		75.4	78.3	80.5	83.4	83.7	84.2	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500		78.9	82.1	84.4	87.4	87.7	88.3	88.6	88.6	88.7	88.7	88.7	88.7	88.8	88.8	88.8
≥ 3000		80.7	84.0	86.4	89.8	90.0	90.7	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 2500		81.6	85.1	87.5	91.0	91.3	92.2	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000		82.4	86.4	89.0	92.8	93.2	94.2	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥ 1800		82.6	86.6	89.3	93.1	93.5	94.5	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.3	95.3
≥ 1500		82.8	87.0	89.8	93.9	94.2	95.4	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200		82.9	87.3	90.1	94.4	94.7	96.1	96.7	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
≥ 1000		82.9	87.3	90.2	94.7	95.0	96.4	97.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 900		83.1	87.5	90.5	95.0	95.3	96.8	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	98.0
≥ 800		83.1	87.7	90.7	95.3	95.7	97.3	98.0	98.1	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 700		83.1	87.8	90.8	95.6	96.0	97.6	98.5	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 600		83.1	87.8	90.9	95.8	96.2	97.8	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5
≥ 500		83.1	87.8	90.9	95.8	96.2	97.9	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		83.1	87.8	90.9	95.8	96.2	97.9	98.9	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 300		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

7440

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.2	48.8	49.3	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4
≥ 20000		51.4	52.3	52.9	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
≥ 18000		51.6	52.4	53.1	53.4	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 16000		51.6	52.4	53.0	53.4	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 14000		51.8	52.7	53.2	53.7	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4
≥ 12000		53.6	54.7	55.2	55.7	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4
≥ 10000		56.3	57.6	58.1	58.6	58.6	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
≥ 9000		58.6	60.0	60.6	61.0	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
≥ 8000		68.6	70.6	71.6	72.1	72.1	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
≥ 7000		70.6	72.8	74.0	74.6	74.6	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥ 6000		71.0	73.2	74.4	75.0	75.0	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1
≥ 5000		75.2	77.4	78.9	79.8	79.8	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0
≥ 4500		79.1	81.6	83.0	84.0	84.0	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.2	85.2
≥ 4000		80.6	83.2	84.9	86.3	86.3	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.6	87.6
≥ 3500		82.7	86.1	87.8	90.0	90.0	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
≥ 3000		84.2	87.9	89.9	92.4	92.4	93.4	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.8	93.8
≥ 2500		84.9	88.8	90.8	93.4	93.4	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 2000		85.2	89.2	91.6	94.4	94.4	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
≥ 1800		85.2	89.2	91.6	94.9	94.9	95.9	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.7	96.7
≥ 1500		85.2	89.2	91.6	95.1	95.1	96.4	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.2	97.2
≥ 1200		85.6	89.6	92.0	95.6	95.6	96.9	97.1	97.1	97.9	97.9	97.9	97.9	97.9	98.0	98.0
≥ 1000		85.7	89.7	92.1	95.7	95.7	97.0	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 900		85.9	90.0	92.4	96.0	96.0	97.3	97.8	98.0	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 800		86.1	90.2	92.7	96.2	96.2	97.6	98.0	98.2	99.0	99.1	99.1	99.1	99.1	99.2	99.2
≥ 700		86.1	90.2	92.7	96.4	96.4	97.8	98.2	98.4	99.2	99.3	99.3	99.3	99.3	99.4	99.4
≥ 600		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 500		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 400		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 200		86.3	90.4	92.9	96.7	96.8	98.1	98.6	98.8	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 100		86.3	90.4	92.9	96.7	96.8	98.1	98.6	98.8	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 0		86.3	90.4	92.9	96.7	96.8	98.1	98.6	98.8	99.6	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-75,74-87

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		39.4	41.9	42.7	44.4	44.6	45.4	45.8	45.9	46.0	46.1	46.2	46.2	46.2	46.2	46.4
≥ 20000		42.8	44.6	46.4	48.3	48.4	49.3	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.3
≥ 18000		42.8	44.6	46.4	48.3	48.4	49.3	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.3
≥ 16000		42.8	44.6	46.4	48.3	48.4	49.3	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.3
≥ 14000		43.1	44.8	46.8	48.7	48.8	49.7	50.0	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.7
≥ 12000		44.2	46.7	48.0	49.9	50.0	50.9	51.2	51.3	51.4	51.6	51.7	51.7	51.7	51.7	51.9
≥ 10000		48.1	50.0	52.1	54.2	54.3	55.6	55.9	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.6
≥ 9000		50.7	52.6	54.8	57.0	57.1	58.6	58.9	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.6
≥ 8000		59.2	61.6	64.8	67.7	67.8	69.4	69.8	69.9	70.0	70.1	70.2	70.2	70.2	70.2	70.4
≥ 7000		63.8	63.1	66.3	69.3	69.4	71.2	71.6	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.2
≥ 6000		61.6	63.9	67.1	70.2	70.3	72.1	72.4	72.6	72.7	72.8	72.9	72.9	72.9	72.9	73.1
≥ 5000		65.1	63.3	71.9	75.4	75.6	77.4	77.8	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.4
≥ 4500		67.3	71.8	74.3	78.1	78.2	80.2	80.6	80.7	80.8	80.9	81.0	81.0	81.0	81.0	81.2
≥ 4000		69.1	73.1	76.6	80.6	80.7	82.8	83.1	83.2	83.4	83.6	83.7	83.7	83.7	83.7	83.9
≥ 3500		71.1	75.0	79.0	83.4	83.6	85.9	86.2	86.3	86.6	86.7	86.8	86.8	86.8	86.8	87.0
≥ 3000		72.8	77.2	81.2	85.9	86.1	88.4	88.8	88.9	89.1	89.2	89.3	89.3	89.3	89.3	89.6
≥ 2500		73.3	78.1	82.2	86.9	87.1	89.6	90.1	90.3	90.7	90.8	90.9	90.9	90.9	90.9	91.1
≥ 2000		74.0	79.1	83.7	89.1	89.4	92.1	92.9	93.1	93.6	93.7	93.8	93.8	93.8	93.8	94.1
≥ 1800		74.0	79.1	83.7	89.4	89.8	92.4	93.6	93.8	94.6	94.7	94.8	94.8	94.8	94.8	95.1
≥ 1500		74.0	79.1	83.8	89.8	90.2	92.9	94.0	94.3	95.2	95.3	95.4	95.4	95.4	95.4	95.7
≥ 1200		74.1	79.4	84.3	90.6	91.0	93.8	95.0	95.3	96.6	96.7	96.8	96.8	96.8	96.8	97.1
≥ 1000		74.3	79.7	84.6	90.8	91.2	94.0	95.2	95.6	96.8	96.9	97.0	97.0	97.0	97.0	97.2
≥ 900		74.3	79.7	84.6	90.8	91.2	94.1	95.3	95.7	96.9	97.0	97.1	97.1	97.1	97.1	97.3
≥ 800		74.4	79.8	84.8	91.0	91.4	94.3	95.6	96.1	97.3	97.4	97.6	97.6	97.6	97.6	97.8
≥ 700		74.7	80.0	85.1	91.3	91.8	94.7	95.9	96.4	97.7	97.8	97.9	97.9	97.9	97.9	98.1
≥ 600		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.8	98.9	99.0	99.0	99.0	99.0	99.2
≥ 500		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.1	99.1	99.1	99.1	99.3
≥ 400		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.1	99.1	99.1	99.1	99.3
≥ 300		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.1	99.1	99.1	99.1	99.3
≥ 200		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.2	99.2	99.2	99.3	99.6
≥ 100		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.2	99.2	99.2	99.3	99.7
≥ 0		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.2	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 43
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING		35.2	38.2	40.2	44.2	44.3	45.7	45.8	45.8	46.0	46.0	46.1	46.1	46.1	46.1	46.2
≥ 20000		38.8	42.4	44.6	48.7	48.8	50.2	50.3	50.3	50.6	50.6	50.7	50.7	50.7	50.7	50.8
≥ 18000		33.9	42.6	44.7	48.8	48.9	50.3	50.4	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.9
≥ 16000		33.9	42.6	44.7	48.8	48.9	50.3	50.4	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.9
≥ 14000		39.2	42.9	45.0	49.1	49.2	50.7	50.8	50.8	51.0	51.0	51.1	51.1	51.1	51.1	51.2
≥ 12000		40.2	43.9	46.0	50.4	50.6	52.1	52.2	52.2	52.4	52.4	52.6	52.6	52.6	52.6	52.7
≥ 10000		43.3	47.2	49.3	54.2	54.3	55.9	56.1	56.1	56.3	56.3	56.4	56.4	56.4	56.4	56.6
≥ 9000		45.6	49.9	52.1	57.2	57.3	59.2	59.4	59.4	59.7	59.7	59.8	59.8	59.8	59.8	59.9
≥ 8000		49.9	54.7	57.2	63.4	63.6	65.7	66.0	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.4
≥ 7000		51.7	56.4	59.1	65.4	65.6	67.9	68.2	68.3	68.7	68.7	68.8	68.8	68.8	68.8	68.9
≥ 6000		52.6	57.4	60.1	66.6	66.7	69.0	69.4	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.1
≥ 5000		56.3	61.9	64.9	71.6	71.8	74.1	74.7	74.8	75.2	75.2	75.3	75.3	75.3	75.3	75.4
≥ 4500		58.6	64.6	67.9	75.3	75.6	78.0	78.6	78.7	79.1	79.1	79.2	79.2	79.2	79.2	79.3
≥ 4000		61.4	66.7	70.2	78.1	78.3	80.9	81.4	81.6	82.1	82.1	82.2	82.2	82.2	82.2	82.3
≥ 3500		61.9	68.1	71.8	80.2	80.4	83.0	83.7	83.8	84.3	84.3	84.4	84.4	84.4	84.4	84.6
≥ 3000		63.7	70.3	74.0	82.6	82.9	85.7	86.6	86.7	87.2	87.2	87.3	87.3	87.3	87.3	87.4
≥ 2500		64.3	70.7	74.8	83.7	84.0	87.3	88.3	88.4	89.0	89.0	89.1	89.1	89.1	89.1	89.2
≥ 2000		65.4	72.2	76.6	85.9	86.2	89.8	90.9	91.0	91.6	91.6	91.7	91.7	91.7	91.7	91.8
≥ 1800		65.4	72.2	76.8	86.2	86.6	90.2	91.4	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.3
≥ 1500		66.0	72.8	77.6	87.2	87.6	91.2	92.6	92.8	93.4	93.4	93.6	93.6	93.6	93.6	93.7
≥ 1200		66.1	72.9	78.1	87.9	88.3	92.2	93.7	94.1	94.8	94.8	94.9	94.9	94.9	94.9	95.0
≥ 1000		66.3	73.1	78.3	88.4	88.9	92.8	94.2	94.7	95.4	95.4	95.6	95.6	95.6	95.6	95.7
≥ 900		66.6	73.4	78.7	88.9	89.3	93.2	94.7	95.1	95.9	95.9	96.0	96.0	96.0	96.0	96.1
≥ 800		66.7	73.9	79.3	89.8	90.2	94.1	95.8	96.2	97.0	97.0	97.1	97.1	97.1	97.1	97.2
≥ 700		66.7	73.9	79.3	90.0	90.4	94.3	96.1	96.6	97.3	97.3	97.4	97.4	97.4	97.4	97.6
≥ 600		66.7	73.9	79.3	90.2	90.7	94.6	96.4	96.9	97.8	97.8	97.9	97.9	97.9	97.9	98.0
≥ 500		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4
≥ 400		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.4	98.6	98.7	98.7	98.7	98.7	98.9
≥ 300		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.8	98.9	98.9	98.9	98.9	99.2
≥ 200		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.8	99.1	99.1	99.1	99.1	99.4
≥ 100		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.9	99.2	99.3	99.3	99.3	99.8
≥ 0		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.9	99.2	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
METAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HFIDELBERG AAF DL

68-70,74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		38.2	41.1	41.3	44.3	44.6	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000		43.0	45.2	46.6	49.9	50.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000		43.0	45.2	46.6	49.9	50.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000		43.0	45.2	46.6	49.9	50.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000		43.3	45.6	46.9	50.2	50.4	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000		44.2	46.4	47.9	51.7	51.9	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000		46.3	48.8	50.2	54.2	54.4	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000		50.4	53.0	54.6	58.6	58.8	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000		55.3	58.1	59.9	64.1	64.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000		55.9	58.8	60.6	64.9	65.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000		56.8	59.8	61.7	66.1	66.4	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000		60.0	63.3	65.6	70.4	70.8	72.1	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7
≥ 4500		61.7	65.1	67.3	72.3	72.7	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 4000		65.6	69.2	71.8	76.9	77.2	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 3500		68.6	72.4	75.1	80.7	81.0	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0
≥ 3000		71.7	75.8	78.6	84.6	84.9	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1
≥ 2500		73.2	77.9	81.0	87.3	87.7	89.1	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥ 2000		75.0	81.3	83.4	90.4	90.9	92.8	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.0
≥ 1800		75.2	81.7	83.8	90.9	91.3	93.2	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4
≥ 1500		75.9	81.6	84.8	92.0	92.4	94.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0
≥ 1200		76.1	81.8	85.2	92.8	93.3	95.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1
≥ 1000		76.3	82.0	85.6	93.3	93.9	96.3	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 900		76.3	82.0	85.6	93.6	94.1	96.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800		76.3	82.0	85.7	94.0	94.6	97.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 700		76.3	82.0	85.8	94.1	94.9	97.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.6
≥ 600		76.3	82.0	85.8	94.1	94.9	97.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.6
≥ 500		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 400		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 300		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
≥ 200		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
≥ 100		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		37.4	39.1	39.9	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 20000		43.1	44.9	45.9	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000		43.1	44.9	45.9	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 16000		43.3	45.1	46.1	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000		43.6	45.3	46.4	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000		44.3	46.2	47.3	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000		47.3	49.2	50.4	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000		50.4	52.3	53.7	54.9	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000		55.2	57.2	58.6	60.0	60.0	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000		56.0	58.2	59.6	61.0	61.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000		56.6	58.8	60.1	61.7	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 5000		62.7	65.1	66.6	68.2	68.2	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500		70.0	72.8	74.2	76.0	76.0	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000		73.4	76.4	78.1	80.1	80.1	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500		80.2	83.4	85.2	87.3	87.3	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000		83.1	86.4	88.4	90.8	90.9	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		85.1	88.9	91.4	94.2	94.3	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000		85.9	89.8	92.8	95.9	96.0	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800		86.1	90.0	93.0	96.2	96.3	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		86.4	90.3	93.4	97.0	97.1	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		86.6	90.6	93.7	97.6	97.7	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		86.8	90.8	93.9	97.9	98.0	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		86.8	90.8	93.9	97.9	98.0	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		86.8	90.8	93.9	97.9	98.0	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATOLGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4c

HEIDELBERG AAF DL

68-70, 74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		35.3	35.6	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000		44.7	44.4	44.8	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000		44.2	44.7	45.0	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 16000		44.2	44.7	45.0	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 14000		44.7	45.1	45.4	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 12000		46.0	46.4	46.8	47.0	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 10000		50.1	50.6	50.9	51.1	51.1	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000		52.9	53.4	53.8	54.1	54.1	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000		60.8	61.4	61.9	62.7	62.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000		62.7	63.3	63.9	64.8	64.8	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000		64.2	65.0	65.6	66.4	66.4	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000		71.6	72.6	73.3	74.3	74.3	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500		77.6	78.8	79.9	81.0	81.0	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000		81.8	83.0	84.4	85.8	85.8	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500		86.6	88.2	89.8	91.2	91.2	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000		89.6	91.3	93.0	94.4	94.4	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500		90.2	92.0	93.9	95.7	95.7	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000		90.9	92.9	95.0	96.9	97.1	97.6	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800		91.9	93.9	95.1	97.0	97.2	97.7	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500		91.1	93.1	95.3	97.4	97.7	98.1	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		91.2	93.2	95.4	97.7	97.9	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		91.2	93.3	95.6	97.9	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		91.2	93.3	95.6	97.9	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800		91.3	93.4	95.7	98.2	98.4	98.9	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		91.3	93.4	95.7	98.2	98.4	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-70,74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		41.3	40.4	40.7	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000		51.0	51.4	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000		51.2	51.7	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000		51.3	51.8	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000		52.1	52.6	52.8	53.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000		53.6	54.0	54.2	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000		58.3	58.8	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000		61.0	61.6	61.9	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000		70.6	71.3	72.0	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 7000		73.3	74.3	75.2	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000		74.6	75.6	76.4	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000		78.9	80.0	81.0	81.8	81.9	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500		82.8	84.1	85.4	86.2	86.3	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000		86.0	87.7	89.1	90.6	90.7	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500		89.2	91.1	92.9	94.8	94.9	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000		91.0	91.9	93.7	95.8	95.9	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500		93.1	92.3	94.1	96.6	96.7	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000		93.1	92.6	94.4	96.9	97.0	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800		93.1	92.6	94.4	96.9	97.0	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500		90.2	92.7	94.6	97.1	97.2	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200		90.3	92.8	95.0	97.8	97.9	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		90.4	92.9	95.1	97.9	98.0	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		90.4	92.9	95.1	97.9	98.0	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		90.6	93.0	95.3	98.2	98.3	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		91.6	93.1	95.4	98.3	98.4	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		91.6	93.1	95.4	98.4	98.6	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		91.6	93.1	95.4	98.4	98.6	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		91.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		91.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 48

HEIDELBERG AAF DL

68-70,74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.1	44.1	44.8	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000		51.6	51.6	52.3	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000		50.9	51.9	52.7	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		50.9	51.9	52.7	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000		51.4	52.4	53.2	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000		52.9	53.9	54.7	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000		57.2	58.3	59.1	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000		60.1	61.4	62.2	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000		71.1	72.9	74.1	74.9	74.9	75.0	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		73.7	75.9	77.2	78.0	78.0	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000		74.6	77.1	78.6	79.3	79.3	79.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000		79.4	82.0	83.4	84.4	84.4	84.6	84.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500		82.6	85.3	87.0	88.0	88.0	88.1	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000		85.3	88.6	90.6	91.7	91.7	91.9	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3500		87.7	91.2	93.3	94.7	94.8	95.1	95.1	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000		88.1	91.8	93.9	95.3	95.4	95.8	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500		88.6	92.3	94.8	96.4	96.6	96.9	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000		88.8	92.7	95.3	97.1	97.2	97.6	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800		88.8	92.7	95.3	97.1	97.2	97.6	97.7	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		88.8	92.8	95.4	97.2	97.3	97.9	98.0	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		88.8	92.8	95.4	97.4	97.6	98.1	98.2	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		88.9	92.9	95.6	97.7	97.8	98.3	98.4	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		88.9	92.9	95.6	97.7	97.8	98.3	98.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		89.0	93.0	95.7	97.9	98.0	98.6	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		89.1	93.1	95.8	98.0	98.1	98.7	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30 46

HEIDELBERG AAF DL

68-70,74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		39.7	47.0	41.8	43.1	43.2	43.7	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9
≥ 20000		45.6	47.1	48.1	49.6	49.6	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 18000		45.7	47.2	48.3	49.7	49.8	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5
≥ 16000		45.8	47.3	48.3	49.7	49.8	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6
≥ 14000		46.1	47.7	48.7	50.2	50.2	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0
≥ 12000		47.4	48.9	50.0	51.6	51.6	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4
≥ 10000		50.9	52.6	53.7	55.4	55.4	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000		53.7	55.5	56.7	58.5	58.5	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000		61.3	63.5	65.0	67.2	67.3	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000		63.1	65.4	67.0	69.2	69.3	70.2	70.4	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6
≥ 6000		64.0	66.3	68.0	70.3	70.4	71.3	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000		68.7	71.3	73.2	75.8	75.8	76.8	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3
≥ 4500		72.4	75.4	77.4	80.1	80.2	81.2	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000		75.3	78.5	80.7	83.8	83.8	84.8	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5
≥ 3500		78.5	82.0	84.4	87.8	87.9	89.0	89.3	89.3	89.5	89.5	89.6	89.6	89.6	89.6	89.6
≥ 3000		80.4	84.0	86.6	90.2	90.4	91.5	91.9	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.2
≥ 2500		81.2	85.1	87.9	91.8	91.9	93.2	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.0
≥ 2000		81.9	86.1	89.1	93.3	93.5	95.0	95.5	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.0
≥ 1800		82.0	86.2	89.2	93.6	93.8	95.3	95.8	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 1500		82.2	86.4	89.6	94.1	94.3	95.9	96.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥ 1200		82.3	86.6	89.9	94.7	94.9	96.5	97.2	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1000		82.5	86.8	90.1	94.9	95.2	96.8	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 900		82.6	86.9	90.2	95.1	95.3	97.0	97.7	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.6
≥ 800		82.7	87.0	90.4	95.4	95.7	97.4	98.1	98.4	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 700		82.7	87.1	90.5	95.5	95.8	97.6	98.3	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2
≥ 600		82.8	87.1	90.5	95.7	96.0	97.8	98.6	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 500		82.8	87.1	90.5	95.8	96.0	97.8	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.7
≥ 400		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.8
≥ 200		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.7	99.7	99.7	99.8	99.8	99.8
≥ 100		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.7	99.7	99.7	99.8	99.8	99.9
≥ 0		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30 46

HEIDELBERG AAF DL

68-70,74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		50.5	51.3	51.7	52.2	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
≥ 20000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 18000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 16000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 14000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 12000		54.1	54.8	55.7	56.1	56.1	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
≥ 10000		58.2	58.9	59.9	60.3	60.3	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0
≥ 9000		60.8	61.7	62.9	63.4	63.4	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥ 8000		71.3	73.0	74.4	75.1	75.1	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥ 7000		72.6	74.7	76.2	76.9	76.9	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 6000		73.9	76.0	77.5	78.2	78.2	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
≥ 5000		76.1	79.0	80.5	81.4	81.4	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 4500		79.5	82.8	84.5	85.8	85.9	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 4000		80.4	85.9	88.1	89.8	89.9	90.2	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.9
≥ 3500		84.1	88.2	90.3	92.0	92.2	92.5	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1
≥ 3000		85.9	90.2	92.7	94.4	94.5	94.8	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.5
≥ 2500		86.2	90.6	93.1	94.8	94.9	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9
≥ 2000		86.5	91.0	93.7	95.7	95.8	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8
≥ 1800		86.7	91.2	93.9	96.0	96.1	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1
≥ 1500		86.9	91.4	94.1	96.6	96.7	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 1200		87.0	91.5	94.2	97.1	97.2	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2
≥ 1000		87.4	91.9	94.7	97.7	97.8	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 900		87.4	91.9	94.7	97.7	97.8	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 800		87.4	91.9	94.7	97.7	97.8	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 700		87.4	91.9	95.2	98.2	98.3	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 600		87.4	91.9	95.2	98.2	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4
≥ 500		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 400		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 300		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 200		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 100		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 0		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		42.2	44.5	46.1	47.8	47.8	48.4	48.6	48.6	48.7	48.7	48.8	49.1	49.1	49.1	49.5
≥ 20000		44.9	47.5	49.5	51.2	51.2	51.7	51.9	51.9	52.0	52.0	52.2	52.5	52.5	52.5	52.8
≥ 18000		44.9	47.5	49.6	51.3	51.3	51.8	52.0	52.0	52.2	52.2	52.3	52.6	52.6	52.6	52.9
≥ 16000		44.9	47.5	49.6	51.3	51.3	51.8	52.0	52.0	52.2	52.2	52.3	52.6	52.6	52.6	52.9
≥ 14000		44.9	47.5	49.6	51.3	51.3	51.8	52.0	52.0	52.2	52.2	52.3	52.6	52.6	52.6	52.9
≥ 12000		45.7	48.6	50.8	52.5	52.5	53.0	53.2	53.2	53.3	53.3	53.4	53.8	53.8	53.8	54.1
≥ 10000		49.0	51.9	54.8	56.6	56.6	57.1	57.6	57.6	57.7	57.7	57.8	58.2	58.2	58.2	58.5
≥ 9000		50.8	54.0	57.3	59.1	59.1	59.7	60.3	60.3	60.4	60.4	60.5	60.9	60.9	60.9	61.2
≥ 8000		59.4	63.7	67.4	70.1	70.1	70.8	71.4	71.4	71.6	71.6	71.7	72.0	72.0	72.0	72.4
≥ 7000		61.5	65.9	70.0	72.9	72.9	73.5	74.2	74.2	74.4	74.4	74.5	74.8	74.8	74.8	75.2
≥ 6000		62.0	66.5	70.5	73.4	73.4	74.1	74.7	74.7	74.9	74.9	75.1	75.4	75.4	75.4	75.7
≥ 5000		64.9	69.5	73.9	77.0	77.0	77.7	78.4	78.4	78.6	78.6	78.7	79.0	79.0	79.0	79.4
≥ 4500		68.3	73.2	77.8	81.2	81.2	81.9	82.7	82.8	83.0	83.0	83.1	83.4	83.4	83.4	83.8
≥ 4000		71.3	76.1	81.3	85.2	85.2	86.0	86.8	87.0	87.3	87.3	87.4	87.7	87.8	87.8	88.2
≥ 3500		72.5	77.7	83.1	87.3	87.3	88.3	89.0	89.2	89.6	89.6	89.7	90.0	90.1	90.1	90.4
≥ 3000		74.5	79.9	85.9	90.4	90.4	91.4	92.2	92.4	92.7	92.7	92.8	93.1	93.2	93.2	93.5
≥ 2500		74.9	80.4	86.7	91.3	91.3	92.3	93.0	93.2	93.5	93.5	93.7	94.0	94.1	94.1	94.4
≥ 2000		75.5	81.2	87.8	92.7	92.7	93.9	94.7	94.9	95.3	95.3	95.4	95.7	95.8	95.8	96.1
≥ 1800		75.5	81.2	87.8	92.8	92.8	94.0	94.8	95.1	95.4	95.4	95.5	95.8	95.9	95.9	96.2
≥ 1500		75.7	81.4	88.3	93.5	93.5	94.7	95.6	95.8	96.1	96.1	96.2	96.6	96.7	96.7	97.0
≥ 1200		75.9	81.6	88.5	94.1	94.1	95.4	96.2	96.6	96.9	96.9	97.0	97.3	97.4	97.4	97.7
≥ 1000		76.1	82.2	89.0	94.6	94.6	96.0	96.9	97.2	97.5	97.5	97.6	98.0	98.1	98.1	98.4
≥ 900		76.1	82.2	89.0	94.6	94.6	96.0	96.9	97.2	97.5	97.5	97.6	98.0	98.1	98.1	98.4
≥ 800		76.2	82.3	89.1	94.7	94.7	96.2	97.1	97.4	97.7	97.7	97.8	98.2	98.3	98.3	98.6
≥ 700		76.6	82.6	89.5	95.1	95.1	96.6	97.4	97.7	98.1	98.1	98.2	98.5	98.6	98.6	98.9
≥ 600		76.6	82.6	89.5	95.1	95.1	96.6	97.4	97.7	98.1	98.1	98.2	98.5	98.6	98.6	98.9
≥ 500		76.6	82.6	89.5	95.3	95.3	96.9	97.7	98.1	98.5	98.5	98.6	98.9	99.0	99.0	99.4
≥ 400		76.6	82.6	89.5	95.3	95.3	96.9	97.7	98.1	98.5	98.5	98.6	98.9	99.0	99.1	99.5
≥ 300		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.2	99.5	99.8
≥ 200		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.4	99.6	99.9
≥ 100		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.4	99.6	100.0
≥ 0		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30 46

HEIDELBERG AAF DL

68-70,74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		33.1	36.0	39.6	41.5	41.8	43.8	44.1	44.3	44.8	44.8	44.8	44.8	44.9	45.2	45.2
≥ 20000		35.7	39.6	42.6	44.5	44.8	46.9	47.2	47.4	48.0	48.0	48.0	48.0	48.1	48.3	48.3
≥ 18000		35.8	39.9	42.7	44.6	44.9	47.0	47.3	47.5	48.1	48.1	48.1	48.1	48.2	48.4	48.4
≥ 16000		35.6	39.9	42.7	44.6	44.9	47.0	47.3	47.5	48.1	48.1	48.1	48.1	48.2	48.4	48.4
≥ 14000		35.0	40.1	42.9	44.8	45.2	47.2	47.5	47.7	48.3	48.3	48.3	48.3	48.4	48.6	48.6
≥ 12000		35.0	40.9	43.7	45.8	46.1	48.2	48.5	48.7	49.2	49.2	49.2	49.2	49.4	49.6	49.6
≥ 10000		40.4	45.3	48.4	51.3	51.6	53.8	54.3	54.5	55.3	55.3	55.3	55.3	55.4	55.6	55.6
≥ 9000		42.8	47.7	51.0	54.1	54.4	56.7	57.2	57.4	58.2	58.2	58.2	58.2	58.3	58.5	58.5
≥ 8000		50.3	56.2	59.8	64.3	64.6	67.1	67.7	68.0	68.7	68.8	68.8	68.8	68.9	69.1	69.1
≥ 7000		52.9	58.9	63.2	68.0	68.3	70.8	71.4	71.6	72.4	72.5	72.5	72.5	72.6	72.8	72.8
≥ 6000		54.1	60.1	64.4	69.4	69.7	72.3	72.9	73.1	73.9	74.0	74.0	74.0	74.1	74.3	74.3
≥ 5000		57.5	63.9	68.3	73.5	73.9	76.6	77.3	77.5	78.4	78.5	78.5	78.5	78.6	78.8	78.8
≥ 4500		59.6	66.5	71.3	76.9	77.2	80.0	80.9	81.1	81.9	82.0	82.0	82.0	82.2	82.4	82.4
≥ 4000		61.6	68.7	73.8	80.0	80.4	83.2	84.1	84.4	85.5	85.6	85.6	85.6	85.7	85.9	85.9
≥ 3500		62.4	69.7	74.8	81.6	82.2	85.2	86.1	86.6	87.6	87.7	87.7	87.7	87.8	88.1	88.1
≥ 3000		63.3	71.1	76.6	84.1	84.6	87.7	88.8	89.2	90.4	90.5	90.5	90.5	90.6	90.9	90.9
≥ 2500		63.8	71.5	77.2	84.9	85.5	88.8	90.1	90.6	91.8	91.9	91.9	91.9	92.0	92.3	92.3
≥ 2000		64.3	72.5	78.2	86.5	87.0	90.5	92.2	92.8	94.1	94.2	94.2	94.2	94.3	94.5	94.5
≥ 1800		64.3	72.5	78.2	86.9	87.4	91.1	92.7	93.3	94.7	94.8	94.8	94.8	94.9	95.2	95.2
≥ 1500		65.1	73.2	78.9	88.0	88.5	92.5	94.2	94.8	96.2	96.3	96.3	96.3	96.5	96.7	96.7
≥ 1200		65.2	73.3	79.1	88.3	88.9	92.9	94.6	95.3	96.7	96.8	96.8	96.8	96.9	97.1	97.1
≥ 1000		65.3	73.7	79.6	88.9	89.6	93.5	95.3	95.9	97.3	97.4	97.4	97.4	97.5	97.7	97.7
≥ 900		65.3	73.7	79.6	88.9	89.6	93.5	95.3	95.9	97.3	97.4	97.4	97.4	97.5	97.7	97.7
≥ 800		65.4	73.8	79.7	89.1	89.8	93.8	95.5	96.1	97.5	97.6	97.6	97.6	97.7	98.0	98.0
≥ 700		65.4	73.8	79.7	89.4	90.0	94.0	95.7	96.3	97.7	97.8	97.8	97.8	98.0	98.2	98.2
≥ 600		65.5	74.0	79.9	89.6	90.2	94.2	95.9	96.6	98.0	98.1	98.1	98.1	98.2	98.4	98.4
≥ 500		65.5	74.0	79.9	89.7	90.4	94.7	96.8	97.4	98.8	98.9	99.0	99.0	99.1	99.4	99.4
≥ 400		65.5	74.0	79.9	89.7	90.4	94.7	96.9	97.6	99.0	99.2	99.4	99.4	99.5	99.7	99.7
≥ 300		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.6	99.7	99.9	99.9
≥ 200		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.6	99.7	99.9	99.9
≥ 100		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.6	99.7	99.9	99.9
≥ 0		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.6	99.7	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING		37.2	39.1	40.3	42.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000		39.8	41.8	43.4	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000		39.8	41.8	43.4	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 16000		39.9	41.9	43.5	45.8	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000		39.9	41.9	43.5	45.8	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 12000		40.6	42.7	44.3	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 10000		44.3	46.5	48.5	51.5	51.5	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
≥ 9000		46.3	48.5	50.5	53.9	53.9	54.9	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4
≥ 8000		54.3	57.2	59.6	63.3	63.3	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8
≥ 7000		56.6	59.6	62.0	65.9	65.9	67.0	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
≥ 6000		57.8	60.9	63.3	67.2	67.2	68.3	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7
≥ 5000		59.9	63.0	65.7	70.9	70.9	72.0	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5
≥ 4500		64.3	67.6	70.4	75.9	75.9	77.2	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
≥ 4000		67.6	71.2	74.2	80.1	80.1	81.4	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2
≥ 3500		70.2	74.2	77.4	83.9	84.1	85.5	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
≥ 3000		72.7	77.3	81.1	88.8	89.0	90.4	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
≥ 2500		74.4	79.2	83.1	91.9	92.2	93.8	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
≥ 2000		74.8	79.9	84.2	93.5	93.9	95.5	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
≥ 1800		74.9	80.1	84.4	93.9	94.2	95.8	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
≥ 1500		75.1	80.2	84.6	94.4	94.7	96.6	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
≥ 1200		75.3	80.4	85.1	94.6	94.9	97.0	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
≥ 1000		75.5	80.6	85.3	94.9	95.5	97.6	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 900		75.5	80.6	85.3	95.1	95.7	97.8	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 800		75.5	80.6	85.3	95.1	95.7	97.8	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 700		75.5	80.6	85.3	95.1	95.7	97.8	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 600		75.6	80.8	85.4	95.2	95.8	98.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 400		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 300		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 200		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 100		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 0		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000		41.0 44.4	40.6 45.2	41.3 45.8	42.3 46.8	42.3 46.8	42.3 46.8	42.3 46.8	42.3 46.8	42.4 46.9	42.4 46.9	42.4 46.9	42.4 46.9	42.4 46.9	42.4 46.9	42.4 46.9
≥ 18000 ≥ 16000		44.4 44.4	45.2 45.2	45.8 45.8	46.8 46.8	46.8 46.8	46.8 46.8	46.8 46.8	46.8 46.8	46.9 46.9	46.9 46.9	46.9 46.9	46.9 46.9	46.9 46.9	46.9 46.9	46.9 46.9
≥ 14000 ≥ 12000		44.7 46.1	45.5 46.9	46.1 47.5	47.1 48.5	47.1 48.5	47.1 48.5	47.1 48.5	47.3 48.7	47.4 48.8	47.4 48.8	47.4 48.8	47.4 48.8	47.4 48.8	47.4 48.8	47.4 48.8
≥ 10000 ≥ 9000		48.3 50.5	49.0 51.3	50.1 52.6	51.3 53.8	51.3 53.8	51.5 54.1	51.5 54.2	51.7 54.4	51.9 54.6	51.9 54.6	51.9 54.6	51.9 54.6	51.9 54.6	51.9 54.6	51.9 54.6
≥ 8000 ≥ 7000		58.4 60.0	59.2 61.0	60.6 62.4	61.8 63.5	61.8 63.5	62.2 63.9	62.3 64.0	62.5 64.2	62.7 64.4	62.7 64.4	62.7 64.4	62.7 64.4	62.7 64.4	62.7 64.4	62.7 64.4
≥ 6000 ≥ 5000		61.5 66.0	62.5 67.0	64.0 68.6	65.3 69.9	65.3 69.9	65.6 70.2	65.7 70.3	65.9 70.5	66.1 70.8	66.1 70.8	66.1 70.8	66.1 70.8	66.1 70.8	66.1 70.8	66.1 70.8
≥ 4500 ≥ 4000		70.8 74.4	71.9 76.0	73.5 77.6	75.8 79.9	75.8 79.9	76.1 80.3	76.2 80.4	76.5 80.6	76.7 80.9	76.7 80.9	76.7 80.9	76.7 80.9	76.7 80.9	76.7 80.9	76.7 80.9
≥ 3500 ≥ 3000		79.4 83.7	81.5 86.2	83.3 88.3	85.9 91.5	85.9 91.5	86.3 91.9	86.5 92.0	86.7 92.4	86.9 92.6	86.9 92.6	86.9 92.6	86.9 92.6	86.9 92.6	86.9 92.6	86.9 92.6
≥ 2500 ≥ 2000		86.1 87.1	88.8 90.1	90.9 92.3	94.3 96.5	94.3 96.7	94.7 97.4	94.9 97.6	95.3 98.0	95.5 98.2	95.5 98.2	95.5 98.2	95.5 98.2	95.5 98.2	95.5 98.2	95.5 98.2
≥ 1800 ≥ 1500		87.3 87.4	90.3 90.5	92.5 92.8	97.0 97.5	97.2 97.7	98.0 98.6	98.2 98.8	98.5 99.1	98.7 99.4	98.7 99.4	98.7 99.4	98.7 99.4	98.7 99.4	98.7 99.4	98.7 99.4
≥ 1200 ≥ 1000		87.5 87.6	90.6 90.8	92.9 93.0	97.7 97.8	98.1 98.2	98.9 99.0	99.1 99.2	99.6 99.7	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
≥ 900 ≥ 800		87.6 87.6	90.8 90.8	93.0 93.0	97.8 98.0	98.2 98.3	99.0 99.1	99.2 99.4	99.7 99.8	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
≥ 700 ≥ 600		87.6 87.6	90.8 90.8	93.0 93.0	98.0 98.0	98.3 98.3	99.1 99.1	99.4 99.4	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 500 ≥ 400		87.6 87.6	90.8 90.8	93.0 93.0	98.0 98.0	98.3 98.3	99.1 99.1	99.4 99.4	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 300 ≥ 200		87.6 87.6	90.8 90.8	93.0 93.0	98.0 98.0	98.3 98.3	99.1 99.1	99.4 99.4	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 100 ≥ 0		87.6 87.6	90.8 90.8	93.0 93.0	98.0 98.0	98.3 98.3	99.1 99.1	99.4 99.4	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		43.6	44.2	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000		47.7	48.2	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000		47.7	48.2	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 16000		47.7	48.2	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 14000		48.1	48.5	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000		49.5	49.9	50.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000		53.3	54.2	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000		55.9	56.8	57.4	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000		65.1	66.1	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000		63.0	69.0	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 6000		70.3	71.4	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 5000		74.9	76.0	76.9	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500		79.8	80.9	81.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000		84.0	85.1	85.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500		88.3	89.4	90.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3000		91.5	91.8	92.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500		92.8	94.1	94.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000		93.3	94.6	95.6	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800		93.4	94.7	95.7	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500		93.4	94.7	95.7	98.6	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		93.4	94.7	95.8	98.8	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		93.4	94.7	95.8	98.8	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		48.1	48.2	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000		53.1	53.3	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000		53.1	53.3	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000		53.1	53.3	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 14000		53.3	53.5	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000		54.7	54.9	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000		58.2	58.5	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000		62.0	62.6	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000		72.8	73.7	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000		74.6	75.5	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000		76.0	76.9	77.7	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000		80.9	81.7	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4500		85.6	86.6	87.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 4000		89.6	91.5	91.6	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500		91.7	92.7	93.8	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000		94.0	95.1	96.1	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500		94.3	95.7	96.8	97.7	97.7	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000		94.6	96.0	97.1	98.1	98.1	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800		94.6	96.0	97.1	98.2	98.2	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500		94.6	96.0	97.1	98.5	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		94.6	96.0	97.1	98.5	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		94.6	96.0	97.1	98.5	98.5	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF FL

68-70, 74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21.0-23.00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		50.1	50.3	50.8	50.8	50.8	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000		53.5	54.1	54.6	54.6	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000		53.5	54.1	54.6	54.6	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000		53.5	54.1	54.6	54.6	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000		53.7	54.1	54.7	54.7	54.7	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000		55.1	55.5	56.1	56.1	56.1	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000		58.4	58.8	59.5	59.5	59.5	59.8	59.8	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000		61.7	62.2	62.8	62.8	62.8	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000		70.3	71.0	71.7	71.8	71.8	72.4	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000		72.0	72.7	73.7	73.8	73.8	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000		73.9	74.6	75.6	75.7	75.7	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000		76.9	77.7	78.9	79.5	79.5	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500		81.3	82.7	83.9	84.6	84.6	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000		84.5	86.5	87.7	88.6	88.6	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		87.4	89.9	91.2	92.0	92.0	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000		91.0	93.1	94.4	95.3	95.3	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500		93.5	93.9	95.3	96.5	96.5	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000		91.2	94.9	96.3	97.5	97.5	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800		91.2	94.9	96.3	97.5	97.5	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500		91.2	94.9	96.5	97.7	97.7	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		91.2	94.9	96.5	98.0	98.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		91.2	94.9	96.6	98.1	98.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		91.2	94.9	96.6	98.1	98.2	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		91.2	94.9	96.6	98.2	98.3	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		91.2	95.1	96.7	98.3	98.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		91.2	95.1	96.7	98.3	98.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		91.2	95.1	96.7	98.3	98.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		43.1	44.4	45.3	46.3	46.3	46.7	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.2
≥ 20000		46.6	48.0	49.1	50.1	50.1	50.5	50.7	50.7	50.8	50.8	50.8	50.8	50.9	50.9	51.0
≥ 18000		46.6	48.0	49.1	50.1	50.2	50.6	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	51.0
≥ 16000		46.6	48.0	49.2	50.1	50.2	50.6	50.7	50.7	50.8	50.8	50.9	50.9	50.9	50.9	51.0
≥ 14000		46.7	48.2	49.3	50.3	50.3	50.8	50.9	50.9	51.1	51.1	51.1	51.1	51.2	51.2	51.2
≥ 12000		47.8	49.3	50.4	51.5	51.5	51.9	52.0	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.4
≥ 10000		51.3	52.9	54.4	55.6	55.7	56.2	56.4	56.4	56.6	56.6	56.6	56.7	56.7	56.7	56.8
≥ 9000		53.9	55.6	57.2	58.6	59.6	59.2	59.5	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.9
≥ 8000		62.7	65.0	66.9	68.6	68.6	69.3	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	70.0
≥ 7000		64.8	67.2	69.2	71.0	71.0	71.7	72.0	72.0	72.2	72.2	72.2	72.3	72.3	72.4	72.4
≥ 6000		66.2	68.6	70.6	72.5	72.5	73.2	73.5	73.5	73.7	73.8	73.8	73.8	73.9	73.9	73.9
≥ 5000		69.7	72.2	74.4	76.6	76.7	77.4	77.7	77.7	77.9	77.9	78.1	78.1	78.1	78.1	78.1
≥ 4500		73.6	76.5	78.8	81.5	81.5	82.3	82.6	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.1
≥ 4000		76.9	80.0	82.5	85.4	85.5	86.3	86.7	86.8	87.0	87.0	87.1	87.1	87.2	87.2	87.2
≥ 3500		79.5	82.9	85.5	88.7	88.8	89.6	90.0	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.6
≥ 3000		81.8	85.6	88.5	92.1	92.2	93.1	93.5	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥ 2500		82.9	86.8	89.7	93.6	93.7	94.7	95.1	95.3	95.5	95.6	95.6	95.6	95.7	95.7	95.7
≥ 2000		83.4	87.5	90.6	94.6	95.0	96.1	96.6	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.3
≥ 1800		83.5	87.6	90.7	95.1	95.3	96.4	96.9	97.1	97.4	97.4	97.4	97.5	97.5	97.5	97.6
≥ 1500		83.7	87.8	91.0	95.6	95.8	97.0	97.6	97.7	98.0	98.1	98.1	98.1	98.2	98.2	98.2
≥ 1200		83.8	87.9	91.1	95.9	96.1	97.4	97.9	98.1	98.4	98.4	98.4	98.5	98.5	98.6	98.6
≥ 1000		83.9	88.1	91.4	96.2	96.4	97.8	98.3	98.5	98.8	98.8	98.8	98.8	98.9	99.0	99.0
≥ 900		83.9	88.1	91.4	96.2	96.5	97.8	98.4	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.1
≥ 800		84.0	88.2	91.4	96.3	96.6	97.9	98.5	98.7	99.0	99.0	99.1	99.1	99.2	99.2	99.2
≥ 700		84.0	88.2	91.5	96.4	96.7	98.1	98.7	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.4
≥ 600		84.1	88.3	91.6	96.5	96.7	98.1	98.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.5
≥ 500		84.1	88.3	91.6	96.6	96.8	98.3	99.0	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.8
≥ 400		84.1	88.3	91.6	96.6	96.8	98.3	99.0	99.2	99.6	99.6	99.7	99.7	99.8	99.8	99.9
≥ 300		84.1	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.9	100.0
≥ 200		84.1	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.9	100.0
≥ 100		84.1	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.9	100.0
≥ 0		84.1	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-1200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		51.7	53.0	53.9	54.6	54.7	54.8	54.8	54.8	54.8	54.8	55.1	55.1	55.1	55.1	55.2
≥ 20000		55.2	56.7	58.0	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.2
≥ 18000		55.2	56.7	58.0	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.2
≥ 16000		55.2	56.7	58.0	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.2
≥ 14000		55.2	56.7	58.1	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.4
≥ 12000		56.6	58.1	59.6	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.9
≥ 10000		60.8	62.6	64.6	65.5	65.6	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.1
≥ 9000		63.0	64.9	67.0	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.9
≥ 8000		70.3	73.0	76.1	77.6	77.8	78.3	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.7
≥ 7000		72.2	74.9	78.3	79.8	80.0	80.4	80.5	80.5	80.5	80.5	80.8	80.8	80.8	80.8	80.9
≥ 6000		72.9	75.7	79.0	80.5	80.8	81.2	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.6
≥ 5000		75.4	78.4	81.8	83.7	83.9	84.3	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.7
≥ 4500		76.4	81.5	85.2	87.0	87.2	87.6	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.1
≥ 4000		81.5	84.9	88.7	90.5	90.8	91.3	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.7
≥ 3500		82.5	86.0	90.0	91.9	92.2	92.8	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.2
≥ 3000		83.5	87.2	91.6	93.7	93.9	94.5	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.9
≥ 2500		84.2	87.8	92.7	94.7	94.9	95.6	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9	96.0
≥ 2000		85.1	88.9	94.0	96.1	96.3	97.0	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.4
≥ 1800		85.1	88.9	94.0	96.1	96.3	97.0	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.7
≥ 1500		85.3	89.1	94.3	96.5	96.9	97.6	98.0	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.4
≥ 1200		85.4	89.2	94.4	96.7	97.1	97.8	98.2	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.6
≥ 1000		85.4	89.2	94.4	96.7	97.1	98.1	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.8
≥ 900		85.4	89.2	94.4	96.7	97.1	98.1	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.8
≥ 800		85.5	89.4	94.5	96.8	97.2	98.2	98.5	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.9
≥ 700		85.5	89.4	94.5	96.8	97.2	98.2	98.5	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.9
≥ 600		85.5	89.4	94.7	97.0	97.4	98.4	98.7	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.1
≥ 500		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5
≥ 400		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5
≥ 300		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.7
≥ 200		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	100.0
≥ 100		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	100.0
≥ 0		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		41.8	44.5	47.4	49.5	49.7	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.5
≥ 20000		44.4	47.1	50.3	52.4	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4
≥ 18000		44.4	47.1	50.3	52.4	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4
≥ 16000		44.4	47.1	50.3	52.4	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4
≥ 14000		44.7	47.4	50.6	52.7	52.9	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.8
≥ 12000		45.7	48.5	51.7	53.8	54.1	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.8
≥ 10000		50.0	52.8	56.3	59.0	59.2	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.4
≥ 9000		51.3	54.2	58.0	60.9	61.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.0
≥ 8000		58.0	61.7	66.5	69.9	70.5	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.5
≥ 7000		59.7	63.5	68.5	72.2	72.8	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.7
≥ 6000		59.9	63.8	68.9	72.6	73.2	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.2
≥ 5000		62.8	67.4	72.8	76.8	77.4	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.6
≥ 4500		65.1	70.1	75.5	79.7	80.3	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.6
≥ 4000		67.7	73.1	78.5	82.8	83.4	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.7
≥ 3500		69.4	75.1	80.8	85.3	85.9	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.2
≥ 3000		71.0	76.7	82.9	88.4	89.1	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.5
≥ 2500		71.5	77.6	84.3	89.6	90.3	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.9
≥ 2000		72.8	79.1	85.8	91.6	92.4	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	95.1
≥ 1800		72.8	79.1	85.8	91.6	92.4	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	95.1
≥ 1500		73.1	79.5	86.7	92.9	93.8	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.9
≥ 1200		73.1	79.5	86.7	93.0	93.9	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.2
≥ 1000		73.1	79.5	86.8	93.5	94.4	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
≥ 900		73.1	79.5	86.8	93.5	94.4	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
≥ 800		73.1	79.5	86.8	93.5	94.4	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
≥ 700		73.1	79.5	86.8	93.7	94.5	97.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.8	98.0
≥ 600		73.1	79.5	86.8	93.7	94.5	97.2	97.5	97.6	97.7	98.0	98.0	98.1	98.1	98.2	98.3
≥ 500		73.1	79.5	86.9	93.9	94.7	97.7	98.1	98.2	98.6	98.8	98.8	98.9	98.9	99.0	99.1
≥ 400		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	98.9	98.9	99.0	99.1	99.2	99.4
≥ 300		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	99.7
≥ 200		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	100.0
≥ 100		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	100.0
≥ 0		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		31.3	33.7	36.2	40.6	40.9	43.5	44.4	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000		33.4	37.3	40.2	45.2	45.4	48.5	49.4	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000		33.4	37.3	40.2	45.2	45.4	48.5	49.4	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000		33.4	37.3	40.2	45.2	45.4	48.5	49.4	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000		33.9	37.7	40.6	45.6	45.8	49.0	50.0	50.8	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000		34.7	38.7	41.9	47.0	47.2	50.5	51.5	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000		38.5	43.0	46.2	51.8	52.2	55.7	56.8	57.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000		39.8	44.4	47.7	53.7	54.0	57.5	58.8	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000		45.2	50.1	54.1	61.4	61.7	66.1	68.1	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000		46.0	51.0	54.9	62.4	62.7	67.6	69.6	70.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000		47.1	52.0	56.1	63.9	64.2	69.1	71.2	72.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000		48.9	54.1	58.4	67.0	67.3	72.3	74.3	75.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500		50.4	55.9	60.6	69.4	69.7	74.6	76.7	77.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		52.8	58.6	63.5	73.0	73.4	78.7	81.0	82.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3500		53.7	59.6	64.8	75.2	75.6	81.1	83.3	84.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000		55.3	61.3	67.0	77.8	78.5	84.0	86.2	87.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500		56.0	62.3	68.2	79.5	80.3	85.9	88.2	89.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000		57.0	63.3	69.4	81.1	81.9	87.7	90.1	91.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800		57.0	63.3	69.4	81.2	82.0	87.8	90.2	91.4	92.8	92.9	93.0	93.0	93.0	93.0	93.0
≥ 1500		57.2	63.7	69.8	82.0	83.0	89.1	91.7	92.9	94.3	94.4	94.5	94.5	94.5	94.5	94.5
≥ 1200		57.2	63.7	69.9	82.2	83.1	89.4	92.3	93.7	95.2	95.3	95.4	95.4	95.4	95.4	95.4
≥ 1000		57.3	63.9	70.1	82.5	83.4	89.9	92.9	94.4	96.1	96.2	96.3	96.3	96.3	96.3	96.3
≥ 900		57.3	63.9	70.1	82.6	83.5	90.0	93.0	94.5	96.2	96.3	96.5	96.5	96.5	96.5	96.5
≥ 800		57.3	63.9	70.1	82.7	83.7	90.2	93.4	94.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1
≥ 700		57.3	64.0	70.3	82.9	83.9	90.4	93.7	95.2	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 600		57.3	64.0	70.4	83.1	84.1	90.6	94.0	95.5	97.4	97.5	97.6	97.6	97.6	97.6	97.6
≥ 500		57.3	64.0	70.4	83.2	84.2	90.8	94.1	95.6	97.7	98.0	98.2	98.2	98.2	98.4	98.6
≥ 400		57.3	64.0	70.4	83.2	84.2	90.9	94.3	95.8	98.0	98.2	98.5	98.5	98.6	98.7	98.9
≥ 300		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.4	98.7	98.8	98.9	99.1	99.4
≥ 200		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.5	98.8	98.9	99.0	99.2	99.5
≥ 100		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.5	98.9	99.0	99.2	99.5	100.0
≥ 0		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.5	98.9	99.0	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		33.3	35.6	38.5	43.0	43.4	44.8	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000		37.1	41.0	43.0	48.1	48.6	50.5	51.0	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5
≥ 18000		37.1	41.0	43.0	48.1	48.6	50.5	51.0	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5
≥ 16000		37.2	41.1	43.1	48.2	48.7	50.6	51.1	51.3	51.4	51.5	51.5	51.6	51.6	51.6	51.6
≥ 14000		37.4	41.3	43.3	48.5	49.0	51.0	51.4	51.6	51.7	51.8	51.8	51.9	51.9	51.9	51.9
≥ 12000		38.1	41.0	44.2	49.6	50.1	52.0	52.5	52.7	52.8	52.9	52.9	53.0	53.0	53.0	53.0
≥ 10000		39.9	43.0	46.7	53.1	53.9	55.9	56.5	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.0
≥ 9000		42.5	45.6	49.2	55.8	56.6	58.6	59.1	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7
≥ 8000		46.9	50.8	55.1	62.4	63.2	65.7	66.2	66.6	66.9	67.0	67.0	67.1	67.1	67.1	67.1
≥ 7000		48.1	52.0	56.6	64.2	65.1	67.5	68.2	68.5	68.8	68.9	68.9	69.0	69.0	69.0	69.0
≥ 6000		49.0	53.1	57.8	65.5	66.3	68.8	69.5	69.8	70.1	70.2	70.2	70.3	70.3	70.3	70.3
≥ 5000		51.3	56.7	61.6	69.6	70.4	72.9	73.5	74.0	74.3	74.4	74.4	74.5	74.5	74.5	74.5
≥ 4500		54.8	59.2	64.3	72.8	73.7	76.1	76.8	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7
≥ 4000		57.3	62.0	67.3	76.1	77.0	79.5	80.1	80.5	80.9	81.0	81.0	81.1	81.1	81.1	81.1
≥ 3500		59.2	64.5	69.9	79.4	80.3	82.9	83.5	84.0	84.3	84.4	84.4	84.5	84.5	84.5	84.5
≥ 3000		61.5	67.1	72.7	82.4	83.3	86.2	86.9	87.4	87.7	87.8	87.8	88.0	88.0	88.0	88.0
≥ 2500		62.8	68.4	74.2	84.3	85.4	88.8	89.5	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.5
≥ 2000		64.2	69.9	75.7	86.5	87.5	91.1	91.9	92.5	92.8	92.9	92.9	93.0	93.0	93.0	93.0
≥ 1800		64.2	69.9	75.8	86.7	87.7	91.3	92.3	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.3
≥ 1500		64.4	70.2	76.1	87.7	88.8	92.7	93.9	94.4	94.7	94.8	94.8	94.9	94.9	94.9	94.9
≥ 1200		64.5	70.4	76.3	88.2	89.2	93.5	95.1	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2
≥ 1000		64.5	70.4	76.5	88.3	89.6	93.9	95.4	96.0	96.6	96.7	96.7	96.8	96.8	96.8	96.8
≥ 900		64.7	70.6	76.8	88.7	90.0	94.3	95.9	96.6	97.1	97.2	97.2	97.3	97.3	97.3	97.3
≥ 800		64.9	70.9	77.0	89.0	90.3	94.7	96.5	97.1	97.6	97.8	97.8	98.0	98.0	98.0	98.0
≥ 700		65.1	71.1	77.2	89.2	90.5	94.9	96.8	97.4	98.3	98.5	98.5	98.6	98.6	98.6	98.6
≥ 600		65.1	71.1	77.2	89.2	90.5	95.3	97.1	97.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4
≥ 500		65.1	71.1	77.2	89.2	90.5	95.3	97.2	98.0	99.1	99.5	99.6	99.8	99.8	99.9	99.9
≥ 400		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 300		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 200		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 100		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 0		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30 40

HEIDELBERG AAF DL

66-70,74-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		38.0	39.1	40.4	42.4	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000		43.2	44.9	46.3	49.0	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000		43.2	44.9	46.3	49.0	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000		43.2	44.9	46.3	49.0	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000		44.0	45.8	47.3	50.0	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000		44.5	46.3	48.0	50.6	50.9	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000		48.6	50.8	52.5	55.2	55.4	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000		50.2	52.4	54.3	57.1	57.3	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000		56.1	58.9	61.9	65.1	65.3	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000		57.2	60.0	63.0	66.1	66.3	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000		57.7	61.0	64.1	67.2	67.4	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000		62.0	66.0	69.2	72.9	73.2	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4500		65.6	68.8	72.3	76.0	76.3	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000		69.7	73.4	76.9	81.1	81.4	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500		75.5	79.8	83.9	88.9	89.2	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3000		77.8	82.2	86.6	91.7	92.0	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500		79.0	83.7	88.7	94.1	94.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000		73.5	84.2	89.4	94.8	95.3	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800		79.6	84.3	89.5	94.9	95.4	96.6	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500		79.6	84.4	90.3	96.1	96.7	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		79.8	84.7	90.8	96.8	97.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		79.8	84.7	90.8	96.8	97.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		79.9	84.8	90.9	96.9	97.4	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.8	44.6	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000		49.4	51.6	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000		49.8	51.1	51.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000		49.9	51.2	51.5	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000		50.6	51.9	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000		52.5	53.8	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000		57.6	59.1	59.6	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000		61.2	62.9	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000		68.1	70.5	71.7	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000		69.8	72.3	73.4	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 6000		71.1	73.9	75.1	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000		77.4	81.5	82.2	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500		81.3	84.6	86.2	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000		83.2	86.7	88.3	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500		86.7	91.1	91.7	93.5	93.5	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000		89.1	92.7	93.7	95.8	95.8	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500		88.9	93.1	94.8	97.2	97.2	97.5	97.5	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0
≥ 2000		89.4	94.0	95.8	98.5	98.5	98.8	98.8	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2
≥ 1800		89.4	94.1	95.9	98.6	98.6	98.9	98.9	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4
≥ 1500		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8
≥ 1200		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8
≥ 1000		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8
≥ 900		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8
≥ 800		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 700		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 600		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

ALG

STATION

STATION NAME

YEARS

MONTH

1800-2600
HOURS (L.S.T.)

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		44.7	49.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000		52.8	54.4	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000		52.9	54.8	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000		53.0	54.9	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000		53.3	55.3	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000		54.1	56.3	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000		59.0	62.0	64.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000		61.7	64.8	67.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 8000		72.0	75.5	78.4	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000		74.0	77.5	80.5	82.0	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000		75.1	78.6	81.6	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000		77.7	81.6	84.6	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500		80.9	84.8	88.1	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000		84.0	88.2	91.6	94.1	94.1	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3500		85.3	89.7	93.4	95.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000		86.2	90.8	94.5	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500		86.9	91.5	95.3	97.8	97.8	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		87.2	92.0	95.8	98.7	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800		87.2	92.0	95.8	98.7	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		87.2	92.0	96.0	99.0	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-70, 74-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.0	43.3	44.8	46.6	46.8	47.4	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000		45.8	47.9	49.7	51.8	52.0	52.7	52.9	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2
≥ 18000		45.9	48.1	49.8	52.0	52.1	52.9	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.4	53.4
≥ 16000		45.0	48.1	49.9	52.0	52.2	52.9	53.1	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4
≥ 14000		46.5	48.6	50.4	52.6	52.7	53.5	53.7	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0
≥ 12000		47.6	49.9	51.7	53.9	54.1	54.9	55.1	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4
≥ 10000		51.8	54.4	56.6	59.2	59.4	60.3	60.5	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9
≥ 9000		54.1	56.8	59.1	61.9	62.2	63.1	63.3	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7
≥ 8000		61.0	64.4	67.4	70.8	71.1	72.4	72.7	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2
≥ 7000		62.4	65.9	69.0	72.6	72.9	74.2	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0
≥ 6000		63.3	66.9	70.1	73.7	74.0	75.3	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000		66.7	70.6	74.1	78.0	78.3	79.6	80.0	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5
≥ 4500		69.6	73.6	77.2	81.2	81.5	82.9	83.3	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8
≥ 4000		72.5	76.9	80.6	84.9	85.3	86.7	87.1	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.7
≥ 3500		74.9	79.5	83.5	88.1	88.5	90.0	90.4	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0
≥ 3000		76.4	81.2	85.4	90.4	90.8	92.4	92.8	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500		77.3	82.3	86.7	91.9	92.3	94.0	94.4	94.7	95.0	95.0	95.1	95.1	95.1	95.1	95.1
≥ 2000		78.0	83.2	87.8	93.3	93.7	95.5	96.0	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800		78.1	83.3	87.8	93.3	93.8	95.5	96.1	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8
≥ 1500		78.1	83.4	88.2	94.0	94.5	96.4	97.1	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8
≥ 1200		78.2	83.5	88.3	94.2	94.7	96.7	97.4	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.3
≥ 1000		78.2	83.6	88.4	94.3	94.9	97.0	97.7	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.6
≥ 900		78.3	83.6	88.4	94.4	94.9	97.1	97.8	98.1	98.5	98.6	98.6	98.6	98.6	98.7	98.7
≥ 800		78.3	83.7	88.5	94.5	95.0	97.2	98.0	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 700		78.3	83.7	88.5	94.6	95.1	97.3	98.1	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		78.3	83.7	88.6	94.6	95.2	97.4	98.2	98.5	99.1	99.1	99.2	99.2	99.2	99.2	99.3
≥ 500		78.3	83.7	88.6	94.7	95.2	97.5	98.3	98.7	99.3	99.4	99.5	99.5	99.5	99.6	99.6
≥ 400		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.7	99.4	99.5	99.5	99.6	99.6	99.7	99.7
≥ 300		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.6	99.7	99.7	99.8	99.8
≥ 200		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.7	99.7	99.7	99.8	100.0
≥ 100		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.7	99.7	99.7	99.8	100.0
≥ 0		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-87

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		41.6	44.8	49.4	52.8	52.8	53.8	54.2	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		44.0	47.6	52.4	56.0	56.0	57.0	57.4	57.6	57.9	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000		44.0	47.7	52.6	56.1	56.1	57.1	57.6	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000		44.0	47.7	52.6	56.1	56.1	57.1	57.6	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000		44.3	48.0	52.9	56.4	56.4	57.4	57.9	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000		45.2	49.0	53.9	57.6	57.6	58.7	59.1	59.2	59.6	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000		49.1	53.8	58.9	62.7	62.7	63.8	64.3	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 9000		51.6	56.6	61.9	65.7	65.7	66.8	67.3	67.4	67.8	67.9	67.9	67.9	67.9	67.9	67.9
≥ 8000		58.7	63.8	69.3	74.3	74.3	75.7	76.2	76.3	77.0	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000		60.7	66.0	72.0	77.1	77.1	78.7	79.3	79.4	80.1	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000		62.3	67.7	73.7	78.8	78.8	80.3	81.0	81.1	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		64.4	70.0	76.2	81.4	81.4	83.1	83.8	83.9	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500		67.7	73.7	80.0	85.7	85.7	87.3	88.0	88.1	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000		70.0	76.4	83.1	89.0	89.0	90.8	91.4	91.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500		71.2	77.9	84.6	90.4	90.4	92.6	93.2	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3000		72.8	79.7	86.4	92.6	92.6	94.7	95.3	95.4	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500		73.1	80.0	86.8	92.9	92.9	95.1	95.9	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000		73.3	80.6	87.3	93.8	93.8	96.0	96.8	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800		73.3	80.6	87.3	93.8	93.8	96.1	96.9	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500		73.4	80.7	87.4	94.0	94.0	96.3	97.1	97.2	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		73.6	80.8	87.6	94.1	94.1	96.4	97.2	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		73.8	81.0	87.8	94.3	94.3	96.7	97.4	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		73.8	81.0	87.8	94.3	94.3	96.7	97.4	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800		73.8	81.0	87.8	94.3	94.3	96.7	97.4	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		73.8	81.0	87.8	94.3	94.3	96.9	97.7	97.8	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600		73.9	81.1	87.9	94.7	94.7	97.4	98.2	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		73.9	81.1	87.9	94.7	94.7	97.4	98.2	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.3	99.3
≥ 0		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

39-41
STATION

HEIDELBERG AAF FL
STATION NAME

68-70, 74-80
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300 - 1500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		35.6	47.6	44.3	49.6	49.6	51.7	52.3	52.4	53.0	53.1	53.2	53.2	53.3	53.4	53.6
≥ 20000		37.1	42.6	46.3	52.3	52.3	54.6	55.2	55.3	55.9	56.0	56.1	56.1	56.2	56.3	56.4
≥ 18000		37.1	42.6	46.6	52.6	52.6	54.8	55.4	55.6	56.1	56.2	56.3	56.3	56.4	56.6	56.7
≥ 16000		37.1	42.6	46.6	52.6	52.6	54.8	55.4	55.6	56.1	56.2	56.3	56.3	56.4	56.6	56.7
≥ 14000		37.1	42.6	46.6	52.6	52.6	54.8	55.4	55.6	56.1	56.2	56.3	56.3	56.4	56.6	56.7
≥ 12000		37.7	43.3	47.1	53.1	53.1	55.3	56.0	56.1	56.7	56.8	56.9	56.9	57.0	57.1	57.2
≥ 10000		41.0	47.0	51.0	57.3	57.3	59.8	61.4	60.6	61.1	61.2	61.3	61.3	61.4	61.6	61.7
≥ 9000		42.1	48.2	52.4	59.0	59.0	61.4	62.1	62.2	62.8	62.9	63.0	63.0	63.1	63.2	63.3
≥ 8000		48.8	55.8	60.9	69.0	69.0	72.1	72.8	72.9	73.6	73.7	73.8	73.8	73.9	74.0	74.1
≥ 7000		51.0	58.4	63.6	71.8	71.8	75.2	75.9	76.0	76.7	76.8	76.9	76.9	77.0	77.1	77.2
≥ 6000		53.0	60.4	65.6	73.8	73.8	77.2	77.9	78.1	78.7	78.8	78.9	78.9	79.0	79.1	79.2
≥ 5000		54.8	62.3	67.7	76.1	76.1	79.6	80.2	80.3	81.0	81.1	81.2	81.2	81.3	81.4	81.6
≥ 4500		57.1	65.0	70.4	79.3	79.3	82.8	83.4	83.6	84.3	84.4	84.6	84.6	84.7	84.8	84.9
≥ 4000		59.0	67.0	73.0	82.3	82.3	86.0	86.8	86.9	87.8	87.9	88.0	88.0	88.1	88.2	88.3
≥ 3500		61.2	69.0	75.6	84.9	84.9	88.9	89.8	90.0	90.9	91.0	91.1	91.1	91.2	91.3	91.4
≥ 3000		61.9	70.3	76.4	86.1	86.1	90.1	91.0	91.2	92.1	92.2	92.3	92.3	92.4	92.6	92.8
≥ 2500		62.1	71.8	76.9	86.8	86.8	90.8	91.7	91.9	92.8	92.9	93.0	93.0	93.1	93.2	93.4
≥ 2000		62.3	71.1	77.7	88.2	88.2	92.3	93.2	93.4	94.3	94.4	94.6	94.6	94.7	94.8	95.1
≥ 1800		62.3	71.1	77.7	88.2	88.2	92.6	93.4	93.7	94.6	94.7	94.8	94.8	94.9	95.0	95.3
≥ 1500		62.7	71.4	78.2	89.1	89.1	93.4	94.3	94.6	95.4	95.6	95.7	95.7	95.8	95.9	96.1
≥ 1200		62.7	71.4	78.2	89.3	89.3	93.9	94.8	95.0	95.9	96.0	96.1	96.1	96.2	96.3	96.6
≥ 1000		62.7	71.4	78.2	89.3	89.3	94.0	94.9	95.1	96.1	96.2	96.3	96.3	96.4	96.6	96.8
≥ 900		62.7	71.4	78.2	89.4	89.4	94.1	95.0	95.2	96.2	96.3	96.4	96.4	96.6	96.7	96.9
≥ 800		62.7	71.4	78.2	89.4	89.4	94.1	95.0	95.2	96.2	96.3	96.4	96.4	96.6	96.7	96.9
≥ 700		62.7	71.4	78.2	89.4	89.4	94.2	95.1	95.3	96.3	96.4	96.6	96.6	96.7	96.8	97.1
≥ 600		62.9	71.7	78.4	89.7	89.7	94.7	95.6	95.8	96.8	96.9	97.0	97.0	97.1	97.2	97.4
≥ 500		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.4	97.6	97.9
≥ 400		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.4	97.6	98.0
≥ 300		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.4	97.6	98.7
≥ 200		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.4	97.7	98.8
≥ 100		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.7	98.2	99.4
≥ 0		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
AFMETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-70, 74-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-0300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		23.1	25.9	28.4	35.1	35.3	38.9	40.7	41.3	42.9	43.4	43.6	44.7	44.4	44.9	45.6
≥ 20000		25.2	28.8	31.4	38.4	38.7	42.6	44.3	45.0	46.6	47.1	47.2	47.7	48.1	48.6	49.4
≥ 18000		25.2	28.8	31.4	38.4	38.7	42.6	44.3	45.0	46.6	47.1	47.2	47.7	48.1	48.6	49.4
≥ 16000		25.3	28.9	31.6	38.6	38.8	42.7	44.4	45.1	46.7	47.2	47.3	47.8	48.2	48.7	49.6
≥ 14000		25.3	29.1	31.7	39.0	39.2	43.1	44.9	45.6	47.1	47.7	47.8	48.2	48.7	49.1	50.0
≥ 12000		26.1	30.1	32.9	40.3	40.6	44.6	46.3	47.0	48.6	49.1	49.2	49.7	50.1	50.6	51.4
≥ 10000		25.0	32.4	35.3	43.4	43.7	48.1	50.2	51.1	52.8	53.3	53.4	53.9	54.3	54.8	55.7
≥ 9000		29.7	34.1	37.0	45.2	45.4	50.3	52.6	53.4	55.2	55.8	55.9	56.3	56.8	57.2	58.1
≥ 8000		34.6	39.7	42.9	52.6	52.9	58.3	61.0	62.1	64.1	64.7	64.8	65.3	65.8	66.2	67.1
≥ 7000		36.8	42.0	45.4	55.6	56.0	61.6	64.4	65.6	67.6	68.1	68.2	68.8	69.2	69.7	70.6
≥ 6000		37.4	42.7	46.1	56.4	56.9	62.6	65.4	66.6	68.6	69.1	69.2	69.8	70.2	70.7	71.6
≥ 5000		38.6	43.8	47.3	58.2	58.7	64.4	67.7	68.8	70.8	71.3	71.4	72.0	72.4	72.9	73.8
≥ 4500		41.0	46.4	50.4	61.9	62.4	68.6	71.8	72.9	74.9	75.4	75.6	76.1	76.6	77.0	77.9
≥ 4000		42.8	48.2	52.9	65.2	65.7	72.7	75.9	77.1	79.6	80.1	80.2	80.8	81.3	81.8	82.7
≥ 3500		44.4	50.9	55.2	67.9	68.7	75.3	78.6	79.8	82.2	82.8	82.9	83.4	84.0	84.4	85.3
≥ 3000		46.1	52.7	57.0	70.0	70.9	78.1	81.3	82.6	85.2	85.8	85.9	86.4	87.0	87.4	88.4
≥ 2500		46.8	53.3	57.6	71.3	72.2	79.6	82.9	84.2	86.9	87.4	87.6	88.1	88.7	89.1	90.1
≥ 2000		47.2	53.9	58.6	72.4	73.6	81.1	84.6	85.9	88.6	89.1	89.2	89.8	90.3	90.8	91.8
≥ 1800		47.3	54.7	58.9	72.8	73.9	81.6	85.0	86.3	89.0	89.6	89.7	90.2	90.8	91.2	92.2
≥ 1500		47.6	54.2	59.1	73.6	74.7	82.4	86.1	87.4	90.1	90.7	90.8	91.3	91.9	92.3	93.3
≥ 1200		47.6	54.2	59.1	73.6	74.8	82.7	86.4	88.1	90.8	91.3	91.4	92.0	92.7	93.1	94.1
≥ 1000		47.6	54.2	59.1	73.6	74.8	82.7	86.7	88.4	91.1	91.7	91.8	92.3	93.0	93.4	94.4
≥ 900		47.6	54.2	59.1	73.6	74.8	82.7	86.7	88.4	91.1	91.7	91.8	92.3	93.0	93.4	94.4
≥ 800		47.6	54.2	59.1	73.7	74.9	82.9	86.9	88.7	91.3	91.9	92.0	92.6	93.2	93.7	94.7
≥ 700		47.6	54.2	59.1	73.7	75.0	83.0	87.1	88.9	91.6	92.1	92.2	92.8	93.4	93.9	94.9
≥ 600		47.6	54.2	59.2	73.8	75.1	83.2	87.3	89.1	91.8	92.3	92.4	93.0	93.7	94.1	95.2
≥ 500		47.6	54.2	59.2	73.8	75.1	83.2	87.3	89.1	91.9	92.4	92.6	93.1	93.8	94.2	95.6
≥ 400		47.6	54.2	59.2	73.8	75.1	83.2	87.4	89.3	92.2	92.9	93.1	93.7	94.4	94.9	96.3
≥ 300		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.4	93.1	93.3	94.0	95.1	95.9	98.1
≥ 200		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.4	93.1	93.4	94.2	95.3	96.2	98.7
≥ 100		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.4	93.1	93.4	94.2	95.4	96.3	99.4
≥ 0		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.6	93.2	93.6	94.3	95.6	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34-45

HEIDELBERG AAF DL

66-73,74-87

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1961
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		25.4	25.7	31.6	38.8	39.1	41.3	42.6	42.9	43.4	43.4	43.4	43.6	43.6	43.6	43.6
≥ 20000		25.2	31.6	34.6	42.4	42.8	45.0	46.3	46.7	47.2	47.2	47.2	47.3	47.3	47.3	47.3
≥ 18000		23.3	31.7	34.8	42.7	43.0	45.2	46.6	46.9	47.4	47.4	47.4	47.6	47.6	47.6	47.6
≥ 16000		23.4	31.9	34.9	42.8	43.1	45.3	46.7	47.0	47.6	47.6	47.6	47.7	47.7	47.7	47.7
≥ 14000		24.8	32.1	35.3	43.6	43.9	46.1	47.4	47.8	48.3	48.3	48.3	48.4	48.4	48.4	48.4
≥ 12000		21.0	33.6	36.9	45.7	46.0	48.6	50.0	50.3	50.9	50.9	50.9	51.0	51.0	51.0	51.0
≥ 10000		31.7	35.4	38.8	48.2	48.6	51.2	52.7	53.0	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 9500		33.9	37.7	41.0	51.4	51.8	54.6	56.0	56.3	56.9	56.9	56.9	57.0	57.0	57.0	57.0
≥ 8000		39.0	43.0	46.7	58.4	58.9	62.1	63.8	64.1	64.8	64.8	64.8	64.9	64.9	64.9	64.9
≥ 7500		40.2	44.4	48.3	61.1	61.6	65.0	66.7	67.0	67.8	67.8	67.8	67.9	67.9	67.9	67.9
≥ 6000		41.4	44.9	48.8	61.8	62.2	66.0	67.7	68.0	68.8	68.8	68.8	68.9	68.9	68.9	68.9
≥ 5000		43.2	47.9	51.9	66.2	66.7	70.7	72.3	72.7	73.4	73.4	73.4	73.6	73.6	73.6	73.6
≥ 4500		45.4	51.6	54.6	69.2	69.7	74.0	75.9	76.2	77.0	77.0	77.0	77.1	77.1	77.1	77.1
≥ 4000		49.8	55.1	59.0	74.3	74.8	79.2	81.2	81.6	82.3	82.4	82.4	82.6	82.6	82.6	82.6
≥ 3500		53.0	53.3	62.4	78.0	78.4	83.7	85.0	85.6	86.3	86.4	86.4	86.6	86.6	86.6	86.6
≥ 3000		54.3	59.7	64.0	80.1	80.6	85.4	87.7	88.2	89.0	89.2	89.2	89.3	89.3	89.3	89.3
≥ 2500		55.4	61.0	65.4	82.1	82.6	87.4	89.8	90.3	91.3	91.6	91.6	91.7	91.7	91.7	91.7
≥ 2000		56.3	62.1	66.6	83.3	83.9	88.8	91.4	92.1	93.1	93.3	93.3	93.4	93.4	93.4	93.4
≥ 1800		55.4	62.2	66.7	83.4	84.0	89.0	91.7	92.3	93.3	93.6	93.6	93.7	93.7	93.7	93.7
≥ 1500		55.4	62.2	66.8	83.9	84.4	89.9	92.6	93.2	94.3	94.6	94.6	94.7	94.7	94.7	94.7
≥ 1200		55.6	62.3	66.9	84.1	84.7	90.7	93.4	94.1	95.2	95.4	95.4	95.6	95.6	95.6	95.6
≥ 1000		55.6	62.3	66.9	84.2	84.8	90.8	93.6	94.2	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 900		55.6	62.3	66.9	84.2	84.8	90.8	93.6	94.2	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 800		55.6	62.3	66.9	84.3	84.9	91.0	93.8	94.6	95.9	96.1	96.1	96.2	96.2	96.2	96.2
≥ 700		55.6	62.3	66.9	84.3	84.9	91.0	93.9	94.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3
≥ 600		55.6	62.3	66.9	84.3	84.9	91.1	94.0	94.8	96.3	96.6	96.6	96.7	96.7	96.7	96.7
≥ 500		55.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.0	97.2	97.2	97.4	97.4	97.4	97.4
≥ 400		55.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.2	97.8	97.8	98.0	98.0	98.0	98.0
≥ 300		55.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.4	98.1	98.2	98.7	98.9	98.9	98.9
≥ 200		55.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.6	98.1	98.3	98.8	99.3	99.3	99.4
≥ 100		55.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.6	98.1	98.3	98.8	99.3	99.3	99.4
≥ 0		55.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.6	98.1	98.3	98.8	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 50

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 45

HEIDELBERG AAF DL

68-70,74-87

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		33.4	35.4	37.4	40.7	40.9	42.3	43.0	43.1	43.3	43.3	43.4	43.4	43.4	43.4	43.4
≥ 20000		41.2	43.1	45.3	48.9	49.1	50.6	51.2	51.3	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 18000		41.3	43.2	45.4	49.0	49.2	50.7	51.3	51.4	51.9	51.9	52.0	52.0	52.0	52.0	52.0
≥ 16000		41.4	43.3	45.6	49.1	49.3	50.8	51.4	51.6	52.0	52.0	52.1	52.1	52.1	52.1	52.1
≥ 14000		42.2	44.1	46.3	50.0	50.2	51.7	52.3	52.4	52.9	52.9	53.0	53.0	53.0	53.0	53.0
≥ 12000		43.6	45.4	47.9	51.6	51.8	53.2	53.9	54.1	54.4	54.4	54.6	54.6	54.6	54.6	54.6
≥ 10000		45.4	47.6	50.3	54.1	54.3	55.9	56.6	56.7	57.1	57.1	57.2	57.2	57.2	57.2	57.2
≥ 9000		47.6	49.7	52.7	56.7	56.9	58.7	59.3	59.4	59.9	59.9	60.0	60.0	60.0	60.0	60.0
≥ 8000		53.3	55.6	58.9	63.4	63.8	65.7	66.3	66.4	66.9	66.9	67.0	67.0	67.0	67.0	67.0
≥ 7000		50.1	52.3	61.7	66.4	66.8	68.7	69.3	69.4	69.9	69.9	70.0	70.0	70.0	70.0	70.0
≥ 6000		56.7	58.9	62.2	67.0	67.3	69.3	70.1	70.2	70.8	70.9	71.0	71.0	71.0	71.0	71.0
≥ 5000		61.1	63.3	66.7	71.9	72.2	74.2	75.0	75.1	75.7	75.8	75.9	75.9	75.9	75.9	75.9
≥ 4500		64.2	66.7	70.0	75.3	75.7	77.7	78.6	78.7	79.2	79.3	79.4	79.4	79.4	79.4	79.4
≥ 4000		67.2	69.7	73.1	78.8	79.2	81.3	82.2	82.3	82.9	83.0	83.1	83.1	83.1	83.1	83.1
≥ 3500		72.0	74.6	78.7	84.8	85.4	87.7	88.6	88.7	89.2	89.3	89.4	89.4	89.4	89.4	89.4
≥ 3000		74.2	77.2	81.7	89.0	89.7	92.1	93.1	93.2	93.8	93.9	94.0	94.0	94.0	94.0	94.0
≥ 2500		75.3	78.4	83.0	90.7	91.3	93.8	94.8	94.9	95.4	95.6	95.7	95.7	95.7	95.7	95.7
≥ 2000		76.2	79.7	84.6	92.8	93.4	96.1	97.1	97.2	97.8	97.9	98.0	98.0	98.0	98.0	98.0
≥ 1800		76.4	79.9	84.8	93.0	93.7	96.3	97.3	97.4	98.0	98.1	98.2	98.2	98.2	98.2	98.2
≥ 1500		76.4	79.9	84.8	93.2	93.9	96.7	97.7	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6
≥ 1200		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.3	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 1000		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.3	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 900		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 800		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 700		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 600		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 500		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 950

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-70,74-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 10-17 00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		38.3	39.7	40.3	42.6	42.6	42.9	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		48.0	49.6	50.3	52.9	52.9	53.2	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000		48.4	51.0	50.8	53.3	53.3	53.7	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000		48.4	50.0	50.8	53.3	53.3	53.7	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000		49.1	51.9	51.7	54.2	54.2	54.6	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000		51.6	53.3	54.1	56.7	56.7	57.0	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000		55.2	57.0	57.9	60.7	60.7	61.1	61.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000		57.9	59.7	60.6	63.3	63.3	63.8	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000		63.2	65.3	66.4	69.6	69.6	70.1	70.3	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 7000		65.3	67.4	68.6	71.9	71.9	72.4	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000		66.1	68.3	69.4	72.8	72.8	73.4	73.8	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		70.9	73.3	74.4	78.3	78.3	79.0	79.3	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500		76.6	79.1	80.3	84.3	84.3	85.0	85.3	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		79.9	82.6	83.8	88.1	88.1	88.8	89.1	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		83.2	85.9	87.3	92.1	92.1	92.8	93.1	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000		85.3	88.1	89.8	94.9	94.9	95.7	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2500		86.1	88.9	91.8	96.1	96.1	96.9	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000		86.7	89.4	91.6	97.0	97.0	98.0	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800		86.7	89.4	91.6	97.0	97.0	98.0	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500		86.7	89.4	91.6	97.2	97.2	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		86.7	89.4	91.6	97.3	97.4	98.7	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		86.7	89.4	91.6	97.3	97.4	98.8	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 HEIDELBERG AAF DL

68-70, 74-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.6	43.6	44.1	46.6	46.7	47.3	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		49.9	52.4	52.8	55.4	55.6	56.2	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000		51.3	52.4	53.2	55.9	56.0	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000		51.6	52.7	53.4	56.1	56.2	56.9	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000		50.9	53.0	53.8	56.4	56.6	57.2	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000		53.3	55.4	56.3	59.3	59.4	60.1	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		57.1	59.2	60.1	63.2	63.3	64.0	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000		59.8	61.9	62.8	65.9	66.0	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 8000		66.3	68.8	69.8	73.4	73.6	74.2	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000		63.2	71.0	72.0	75.8	75.9	76.6	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000		70.2	73.0	74.0	77.8	77.9	78.6	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 5000		74.6	77.6	78.7	82.7	82.8	83.4	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500		78.3	81.1	82.3	86.7	86.8	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000		79.6	82.7	84.0	88.9	89.0	89.7	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500		83.0	86.2	87.9	93.1	93.3	94.0	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3000		84.6	88.0	89.8	95.1	95.3	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500		85.4	89.0	91.1	96.6	96.8	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000		86.0	89.6	91.7	97.1	97.3	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800		86.0	89.6	91.7	97.2	97.4	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500		86.0	89.6	91.7	97.4	97.7	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		86.0	89.6	91.7	97.4	97.7	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		86.0	89.6	91.7	97.4	97.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		86.0	89.6	91.7	97.4	97.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		86.0	89.6	91.7	97.4	97.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		86.0	89.6	91.7	97.4	97.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-3 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-70,74-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		45.4	48.3	49.9	52.8	52.9	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4
≥ 20000		51.0	53.2	54.8	58.1	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 18000		50.0	53.2	54.8	58.1	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 16000		50.0	53.2	54.8	58.1	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 14000		50.2	53.4	55.0	58.3	58.4	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2
≥ 12000		51.1	54.6	56.6	59.9	60.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
≥ 10000		55.3	59.0	61.2	64.8	64.9	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7
≥ 9000		57.7	61.3	63.6	67.2	67.3	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
≥ 8000		64.8	69.1	72.1	76.7	76.8	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6
≥ 7000		66.7	71.1	74.1	78.8	78.9	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
≥ 6000		67.7	72.1	75.2	79.9	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 5000		70.7	75.6	79.0	84.3	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2
≥ 4500		74.4	79.4	83.1	88.8	88.9	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7
≥ 4000		75.3	81.6	85.2	91.1	91.2	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0
≥ 3500		78.9	84.4	88.3	94.4	94.6	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.4
≥ 3000		80.0	85.7	90.0	96.1	96.2	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1
≥ 2500		80.9	86.7	91.0	97.1	97.2	97.6	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 2000		80.9	86.7	91.0	97.2	97.3	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 1800		81.0	86.8	91.1	97.3	97.4	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 1500		81.1	86.9	91.2	97.4	97.6	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.6
≥ 1200		81.2	87.0	91.3	97.6	97.8	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 1000		81.4	87.2	91.6	97.8	98.0	98.4	98.4	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 900		81.4	87.2	91.6	97.8	98.0	98.4	98.4	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 800		81.4	87.2	91.6	97.8	98.0	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 700		81.4	87.3	91.7	97.9	98.2	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 600		81.4	87.3	91.7	97.9	98.2	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6
≥ 500		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 400		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 200		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 100		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 0		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 48

HEIDELBERG AAF DL

66-70, 74-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.6	38.4	40.7	44.8	45.0	46.4	47.1	47.3	47.7	47.8	47.8	47.9	48.0	48.1	48.7
≥ 20000		40.5	43.5	46.0	50.6	50.7	52.2	52.9	53.1	53.6	53.7	53.7	53.8	53.9	54.0	54.1
≥ 18000		40.6	43.7	46.2	50.8	50.9	52.4	53.1	53.3	53.8	53.9	53.9	54.0	54.1	54.2	54.3
≥ 16000		40.7	43.8	46.3	50.8	51.0	52.5	53.1	53.4	53.9	54.0	54.0	54.1	54.2	54.2	54.3
≥ 14000		41.0	44.2	46.7	51.3	51.4	53.0	53.6	53.9	54.3	54.4	54.5	54.6	54.6	54.7	54.8
≥ 12000		42.3	45.6	48.2	53.0	53.1	54.7	55.4	55.7	56.1	56.2	56.3	56.3	56.4	56.5	56.6
≥ 10000		45.4	48.9	51.7	56.8	56.9	58.6	59.4	59.7	60.1	60.2	60.3	60.3	60.4	60.5	60.6
≥ 9000		47.5	51.1	54.0	59.3	59.4	61.2	62.0	62.3	62.8	62.9	62.9	63.0	63.1	63.1	63.3
≥ 8000		53.6	57.6	60.9	67.2	67.3	69.4	70.3	70.6	71.2	71.3	71.3	71.4	71.5	71.5	71.7
≥ 7000		55.6	59.8	63.2	69.8	70.0	72.2	73.0	73.4	74.0	74.1	74.1	74.2	74.3	74.3	74.5
≥ 6000		55.7	61.0	64.4	71.0	71.2	73.5	74.4	74.7	75.3	75.4	75.5	75.6	75.6	75.7	75.8
≥ 5000		59.8	64.2	67.7	74.9	75.1	77.4	78.3	78.7	79.3	79.4	79.4	79.5	79.6	79.7	79.8
≥ 4500		63.1	67.8	71.4	78.9	79.1	81.5	82.5	82.8	83.4	83.6	83.6	83.7	83.8	83.8	84.0
≥ 4000		65.6	70.5	74.3	82.2	82.5	85.0	86.0	86.3	87.1	87.2	87.2	87.3	87.4	87.5	87.6
≥ 3500		63.4	73.5	77.5	85.7	86.0	88.6	89.7	90.0	90.8	90.9	90.9	91.0	91.1	91.2	91.3
≥ 3000		69.9	75.2	79.4	88.7	88.3	91.1	92.2	92.5	93.3	93.4	93.5	93.5	93.6	93.7	93.9
≥ 2500		70.7	76.7	80.3	89.2	89.5	92.3	93.5	93.8	94.6	94.8	94.8	94.9	95.0	95.1	95.2
≥ 2000		71.1	76.6	81.1	90.2	90.6	93.6	94.8	95.2	96.0	96.1	96.2	96.3	96.4	96.4	96.6
≥ 1800		71.2	76.7	81.2	90.3	90.7	93.8	95.0	95.4	96.2	96.3	96.4	96.4	96.5	96.6	96.8
≥ 1500		71.3	76.8	81.3	90.7	91.1	94.2	95.5	95.9	96.7	96.8	96.9	97.0	97.1	97.1	97.3
≥ 1200		71.3	76.8	81.4	90.9	91.3	94.5	95.8	96.3	97.1	97.2	97.3	97.3	97.5	97.5	97.7
≥ 1000		71.4	76.9	81.5	90.9	91.3	94.6	96.0	96.4	97.2	97.4	97.4	97.5	97.6	97.7	97.8
≥ 900		71.4	76.9	81.5	91.0	91.3	94.7	96.0	96.5	97.3	97.4	97.4	97.5	97.6	97.7	97.9
≥ 800		71.4	76.9	81.5	91.0	91.4	94.7	96.1	96.6	97.4	97.5	97.6	97.7	97.8	97.8	98.0
≥ 700		71.4	76.9	81.5	91.0	91.4	94.8	96.2	96.7	97.5	97.7	97.7	97.8	97.9	98.0	98.1
≥ 600		71.4	77.0	81.5	91.1	91.5	95.1	96.4	96.9	97.8	97.9	98.0	98.0	98.2	98.2	98.4
≥ 500		71.4	77.0	81.6	91.1	91.5	95.1	96.6	97.1	98.0	98.2	98.2	98.3	98.4	98.5	98.7
≥ 400		71.4	77.0	81.6	91.1	91.5	95.1	96.6	97.1	98.1	98.3	98.4	98.5	98.6	98.7	98.9
≥ 300		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.6	98.8	98.9	99.3
≥ 200		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.6	98.9	99.0	99.5
≥ 100		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.6	98.9	99.1	99.5
≥ 0		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.7	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 48

HEIDELBERG AAF DL

68-70,74-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		24.3	25.7	27.0	30.8	31.0	32.2	32.7	32.7	32.9	33.4	33.5	33.8	34.3	34.5	35.2
≥ 20000		26.3	28.8	29.8	33.7	33.9	35.5	36.0	36.0	36.3	36.9	37.0	37.2	37.7	38.0	38.6
≥ 18000		26.3	28.8	29.8	33.7	33.9	35.5	36.0	36.0	36.3	36.9	37.0	37.2	37.7	38.0	38.6
≥ 16000		26.3	28.8	29.8	33.7	33.9	35.5	36.0	36.0	36.3	36.9	37.0	37.2	37.7	38.0	38.6
≥ 14000		26.5	29.0	30.0	33.9	34.1	35.7	36.2	36.2	36.6	37.1	37.2	37.4	38.0	38.2	38.8
≥ 12000		28.0	30.5	31.5	35.7	35.9	37.5	38.1	38.1	38.4	38.9	39.0	39.2	39.8	40.0	40.6
≥ 10000		30.9	33.4	34.4	38.7	38.9	40.5	41.3	41.3	41.7	42.3	42.4	42.6	43.1	43.3	44.0
≥ 9000		32.3	35.3	36.3	40.8	41.0	42.6	43.3	43.3	43.8	44.3	44.4	44.6	45.2	45.4	46.0
≥ 8000		38.7	41.9	43.2	48.9	49.2	51.2	51.9	51.9	52.4	52.9	53.0	53.2	53.9	54.2	54.8
≥ 7000		39.2	42.9	44.4	50.3	50.6	52.9	53.7	53.7	54.2	54.7	54.8	55.1	55.7	56.0	56.7
≥ 6000		39.7	43.4	45.1	51.1	51.4	53.7	54.4	54.4	55.1	55.6	55.7	55.9	56.6	56.9	57.5
≥ 5000		43.3	47.2	48.8	55.2	55.5	57.8	58.6	58.6	59.2	59.8	59.9	60.1	60.8	61.1	61.7
≥ 4500		47.5	51.4	53.4	60.4	60.8	63.2	64.0	64.0	64.6	65.2	65.3	65.5	66.1	66.5	67.1
≥ 4000		49.6	53.9	56.1	63.5	63.9	66.3	67.1	67.1	67.7	68.3	68.4	68.6	69.2	69.6	70.2
≥ 3500		51.4	56.3	58.9	66.7	67.2	69.8	70.6	70.6	71.3	71.8	71.9	72.2	72.8	73.1	73.8
≥ 3000		53.0	58.1	60.9	69.4	69.9	72.8	73.9	73.9	74.5	75.1	75.2	75.4	76.0	76.3	77.0
≥ 2500		54.7	60.6	63.9	72.6	73.2	76.1	77.3	77.3	78.0	78.5	78.6	78.8	79.5	79.8	80.4
≥ 2000		55.8	62.5	66.1	75.3	75.9	79.0	80.3	80.3	81.2	81.7	81.8	82.0	82.7	83.0	83.7
≥ 1800		55.8	62.5	66.1	75.5	76.1	79.2	80.5	80.5	81.4	81.9	82.0	82.3	82.9	83.2	83.9
≥ 1500		56.2	63.0	67.1	77.5	78.2	81.3	82.6	82.8	83.7	84.2	84.3	84.5	85.2	85.5	86.1
≥ 1200		56.3	63.1	67.3	78.4	79.0	82.3	83.5	83.9	84.7	85.3	85.4	85.6	86.2	86.6	87.2
≥ 1000		56.6	63.5	67.7	78.8	79.5	83.0	84.5	84.8	85.7	86.2	86.3	86.6	87.2	87.5	88.2
≥ 900		56.8	63.5	67.8	79.1	79.8	83.5	85.1	85.4	86.2	86.8	86.9	87.1	87.7	88.1	88.7
≥ 800		56.8	63.5	67.8	79.1	79.8	83.7	85.2	85.5	86.3	86.9	87.0	87.2	87.8	88.2	88.8
≥ 700		56.8	63.5	67.8	79.4	80.0	84.2	85.9	86.2	87.1	87.6	87.7	88.0	88.6	88.9	89.6
≥ 600		56.9	63.7	68.1	80.0	80.6	84.9	86.7	87.0	87.8	88.4	88.5	88.7	89.4	89.7	90.3
≥ 500		56.9	63.7	68.1	80.6	81.5	85.8	87.5	87.8	88.7	89.2	89.4	89.6	90.2	90.5	91.3
≥ 400		56.9	63.7	68.1	80.6	81.5	85.8	87.5	87.8	88.7	89.2	89.4	89.6	90.2	90.5	91.5
≥ 300		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.6	89.8	90.5	91.0	92.0
≥ 200		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.7	90.0	90.9	91.3	93.3
≥ 100		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.7	90.0	91.0	91.7	97.7
≥ 0		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.7	90.0	91.0	91.7	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-87

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		18.8	22.2	24.5	27.7	27.7	28.4	29.0	29.2	29.5	29.9	29.9	30.1	30.5	30.6	31.7
≥ 20000		21.4	23.9	26.3	31.3	30.5	31.6	32.3	32.5	32.7	33.1	33.1	33.3	33.8	33.9	35.1
≥ 18000		21.4	23.9	26.3	31.3	30.5	31.6	32.3	32.5	32.7	33.1	33.1	33.3	33.8	33.9	35.1
≥ 16000		21.4	23.9	26.3	31.3	30.5	31.6	32.3	32.5	32.7	33.1	33.1	33.3	33.8	33.9	35.1
≥ 14000		21.5	24.4	26.9	31.0	31.2	32.3	32.9	33.1	33.3	33.8	33.8	34.0	34.4	34.5	35.7
≥ 12000		21.5	24.4	27.4	31.6	31.8	32.9	33.5	33.8	34.0	34.4	34.4	34.6	35.1	35.2	36.3
≥ 10000		24.2	27.8	30.5	34.9	35.2	36.3	37.0	37.2	37.4	37.8	37.8	38.1	38.5	38.6	39.8
≥ 9000		25.6	29.7	32.5	37.3	37.5	38.7	39.4	39.6	39.8	40.2	40.2	40.4	40.9	41.0	42.2
≥ 8000		32.0	36.4	39.8	45.3	45.5	47.1	47.7	48.1	48.2	48.6	48.6	48.8	49.2	49.4	50.5
≥ 7000		33.0	38.2	41.1	46.7	46.9	48.5	49.2	49.5	49.7	50.1	50.1	50.3	50.8	50.9	52.0
≥ 6000		33.2	38.4	41.3	46.9	47.1	48.7	49.7	49.9	50.1	50.5	50.5	50.8	51.2	51.3	52.5
≥ 5000		35.4	41.2	44.1	50.4	50.6	52.4	53.3	53.5	54.0	54.4	54.4	54.6	55.1	55.2	56.3
≥ 4500		39.0	45.3	48.6	55.2	55.4	57.2	58.2	58.4	58.8	59.2	59.2	59.5	59.9	60.0	61.2
≥ 4000		41.4	47.8	51.3	57.8	58.2	60.1	61.1	61.3	61.7	62.2	62.2	62.4	62.8	62.9	64.1
≥ 3500		44.5	51.5	55.4	62.3	62.6	64.6	65.6	65.8	66.2	66.7	66.7	66.9	67.3	67.4	68.6
≥ 3000		45.7	53.2	57.5	65.6	65.9	68.2	69.5	69.7	70.1	70.5	70.5	70.8	71.2	71.3	72.5
≥ 2500		47.8	55.9	61.2	69.5	69.8	72.3	73.5	73.8	74.2	74.6	74.6	74.8	75.3	75.4	76.6
≥ 2000		48.7	57.3	62.8	72.0	72.4	75.3	77.0	77.2	77.6	78.1	78.1	78.3	78.7	78.8	80.0
≥ 1800		48.8	57.4	62.9	72.3	72.6	75.5	77.2	77.4	77.8	78.3	78.3	78.5	78.9	79.0	80.2
≥ 1500		49.0	57.6	63.1	73.1	73.5	76.9	78.6	78.8	79.2	79.7	79.7	79.9	80.3	80.4	81.6
≥ 1200		49.0	57.6	63.3	74.0	74.6	78.2	80.0	80.2	80.6	81.1	81.1	81.3	81.7	81.8	83.0
≥ 1000		49.5	58.1	63.8	74.4	75.1	78.9	80.8	81.0	81.7	82.2	82.2	82.4	82.9	83.0	84.3
≥ 900		49.6	58.2	64.0	74.6	75.3	79.5	81.3	81.5	82.3	82.7	82.7	82.9	83.4	83.5	84.8
≥ 800		49.9	58.5	64.4	75.1	75.7	79.9	81.7	81.9	82.7	83.1	83.1	83.3	83.9	84.0	85.3
≥ 700		51.1	58.7	64.6	75.3	75.9	80.2	82.0	82.3	83.0	83.4	83.4	83.7	84.2	84.3	85.6
≥ 600		51.2	58.8	64.8	75.6	76.2	80.9	83.0	83.2	84.2	84.8	84.8	85.1	85.6	85.7	87.0
≥ 500		51.2	58.8	64.8	76.3	77.1	82.2	84.4	84.6	85.8	86.5	86.5	86.7	87.2	87.3	88.6
≥ 400		51.2	58.8	64.8	76.6	77.3	82.5	84.8	85.1	86.5	87.2	87.2	87.4	88.1	88.3	89.9
≥ 300		51.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.0	87.7	88.0	88.3	88.9	89.1	91.0
≥ 200		51.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.1	87.8	88.2	88.6	89.4	89.8	92.7
≥ 100		51.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.1	87.8	88.3	88.8	89.9	90.5	96.8
≥ 0		51.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.1	87.8	88.3	88.8	89.9	90.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

68-70, 74-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		9.9	11.6	13.5	17.2	17.5	19.2	20.1	20.1	20.9	21.0	21.0	21.4	21.6	21.7	23.1
≥ 20000		11.6	13.4	15.8	19.9	20.2	22.4	23.5	23.5	24.3	24.4	24.4	24.9	25.3	25.4	26.9
≥ 18000		11.6	13.4	15.8	19.9	20.2	22.4	23.5	23.5	24.3	24.4	24.4	24.9	25.3	25.4	26.9
≥ 16000		11.7	13.5	15.9	20.0	20.3	22.5	23.7	23.7	24.4	24.5	24.5	25.1	25.4	25.5	27.0
≥ 14000		12.5	14.3	16.7	20.9	21.2	23.3	24.5	24.5	25.3	25.4	25.4	25.9	26.2	26.3	27.8
≥ 12000		13.1	14.9	17.3	21.7	22.0	24.2	25.4	25.4	26.1	26.2	26.2	26.8	27.2	27.3	28.8
≥ 10000		15.1	16.9	19.4	24.0	24.3	26.6	27.8	27.8	28.6	28.7	28.7	29.2	29.7	29.8	31.3
≥ 9000		16.0	18.1	20.8	25.7	26.0	28.4	29.8	29.8	30.5	30.6	30.6	31.2	31.6	31.7	33.2
≥ 8000		20.0	23.2	26.8	32.9	33.2	35.8	37.3	37.3	38.2	38.3	38.3	38.8	39.2	39.4	41.0
≥ 7000		20.9	24.3	28.0	34.1	34.4	37.0	38.5	38.5	39.4	39.5	39.5	40.0	40.4	40.5	42.2
≥ 6000		21.1	24.5	28.4	34.7	35.1	37.6	39.1	39.1	40.0	40.1	40.1	40.6	41.1	41.2	42.8
≥ 5000		22.4	26.5	30.3	38.0	38.3	40.9	42.5	42.5	43.4	43.7	43.7	44.2	44.6	44.7	46.3
≥ 4500		25.4	29.6	33.5	41.6	41.9	44.7	46.5	46.5	47.6	47.8	47.8	48.4	48.8	48.9	50.5
≥ 4000		27.7	32.3	36.6	45.4	45.8	48.6	50.3	50.4	51.7	51.9	51.9	52.5	52.9	53.0	54.6
≥ 3500		30.9	35.8	40.6	50.2	50.8	53.8	55.8	55.9	57.2	57.4	57.4	58.0	58.4	58.5	60.1
≥ 3000		33.1	37.6	43.5	53.8	54.4	57.5	59.8	59.9	61.2	61.4	61.4	61.9	62.4	62.5	64.1
≥ 2500		34.1	39.8	45.7	56.5	57.1	60.4	62.7	62.8	64.1	64.3	64.3	64.8	65.3	65.4	67.0
≥ 2000		36.2	42.5	49.0	60.8	61.6	65.8	68.8	68.9	70.5	70.8	70.8	71.3	71.8	71.9	73.5
≥ 1800		36.2	42.7	49.2	61.4	62.3	66.6	69.7	69.8	71.4	71.6	71.6	72.2	72.7	72.8	74.4
≥ 1500		37.1	43.7	50.3	63.1	64.1	69.8	73.1	73.2	74.8	75.1	75.1	75.6	76.1	76.2	77.8
≥ 1200		37.2	43.9	51.0	64.0	65.2	71.2	74.5	74.7	76.3	76.6	76.6	77.1	77.6	77.7	79.4
≥ 1000		37.3	44.0	51.1	65.1	66.3	72.8	76.3	76.6	78.3	78.6	78.6	79.1	79.7	79.8	81.5
≥ 900		37.3	44.0	51.1	65.2	66.5	73.1	76.7	76.9	78.6	78.9	78.9	79.5	80.0	80.1	81.8
≥ 800		37.4	44.1	51.4	66.0	67.3	74.0	77.6	77.8	79.7	80.0	80.1	80.6	81.2	81.3	83.0
≥ 700		37.4	44.1	51.5	66.2	67.5	74.2	78.0	78.2	80.2	80.6	80.8	81.3	81.8	81.9	83.7
≥ 600		37.6	44.4	51.8	66.7	68.0	75.1	79.2	79.5	81.7	82.2	82.4	82.9	83.4	83.5	85.3
≥ 500		37.6	44.4	51.8	66.8	68.1	75.5	80.3	80.6	83.3	84.0	84.2	84.7	85.3	85.4	87.2
≥ 400		37.6	44.4	51.8	66.9	68.2	75.7	80.8	81.3	84.1	84.9	85.2	85.8	86.5	86.7	89.2
≥ 300		37.6	44.4	51.8	66.9	68.2	75.8	80.8	81.4	84.5	85.5	85.9	86.6	87.3	87.8	91.3
≥ 200		37.6	44.4	51.8	66.9	68.2	75.8	81.0	81.6	84.7	85.7	86.2	87.1	88.0	88.6	93.3
≥ 100		37.6	44.4	51.8	66.9	68.2	75.8	81.1	81.7	84.8	85.8	86.3	87.4	88.6	89.4	97.2
≥ 0		37.6	44.4	51.8	66.9	68.2	75.8	81.1	81.7	84.8	85.8	86.3	87.4	88.7	89.5	100.0

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 45

HEIDELBERG AAF DL

68-70, 74-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1969

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		13.5	15.3	16.7	19.7	19.9	20.8	21.2	21.4	21.9	22.4	22.4	22.6	22.8	22.9	23.1
≥ 20000		16.7	19.0	20.6	24.6	24.8	26.0	26.6	26.8	27.8	28.3	28.3	28.5	28.7	28.8	29.0
≥ 18000		16.7	19.0	20.6	24.6	24.8	26.0	26.6	26.8	27.8	28.3	28.3	28.5	28.7	28.8	29.0
IV 16000		16.7	19.0	20.6	24.6	24.8	26.0	26.6	26.8	27.8	28.3	28.3	28.5	28.7	28.8	29.0
≥ 14000		16.8	19.1	20.8	24.8	25.1	26.3	26.9	27.1	28.2	28.6	28.6	28.8	29.0	29.1	29.4
IV 12000		17.1	19.5	21.2	25.3	25.5	26.8	27.3	27.5	28.7	29.1	29.1	29.4	29.6	29.7	29.9
≥ 10000		19.0	21.4	23.5	27.7	28.0	29.5	30.4	30.6	32.2	32.6	32.6	33.0	33.2	33.3	33.5
IV 9000		19.9	22.5	24.6	28.8	29.0	30.6	31.8	32.0	33.5	34.0	34.0	34.4	34.6	34.7	34.9
IV 8000		22.0	25.4	27.7	33.5	33.8	35.8	37.2	37.4	39.1	39.6	39.6	40.0	40.2	40.3	40.5
IV 7000		23.2	26.7	29.1	35.6	35.8	38.0	39.4	39.6	41.3	41.7	41.7	42.2	42.4	42.5	42.7
IV 6000		24.1	27.7	30.2	36.9	37.1	39.2	40.9	41.1	42.8	43.2	43.2	43.7	43.9	44.0	44.2
IV 5000		25.8	29.6	32.3	39.1	39.4	41.6	43.2	43.4	45.3	45.7	45.7	46.1	46.3	46.5	46.7
IV 4500		29.7	33.8	36.6	44.3	44.5	47.0	48.6	48.8	50.6	51.1	51.1	51.5	51.7	51.8	52.0
IV 4000		31.6	36.1	39.0	47.4	47.6	50.2	51.8	52.0	54.1	54.5	54.5	54.9	55.2	55.3	55.5
IV 3500		35.3	40.2	43.3	52.5	52.8	55.5	57.1	57.6	59.7	60.1	60.1	60.5	60.8	60.9	61.1
IV 3000		36.1	41.5	44.8	54.5	54.9	57.8	59.5	60.0	62.0	62.5	62.5	62.9	63.1	63.2	63.4
IV 2500		37.4	43.1	46.6	57.4	57.8	60.9	62.6	63.1	65.3	65.7	65.7	66.1	66.5	66.6	66.8
IV 2000		38.8	44.9	49.4	63.9	64.4	67.7	69.7	70.3	72.6	73.0	73.0	73.4	73.8	73.9	74.1
IV 1800		38.9	45.1	49.6	64.5	65.1	68.4	70.3	71.0	73.2	73.7	73.7	74.1	74.4	74.5	74.7
IV 1500		39.8	46.2	50.9	67.5	68.7	72.6	74.7	75.5	78.0	78.4	78.4	78.8	79.1	79.4	79.6
IV 1200		40.0	46.5	51.2	68.7	70.0	74.1	76.5	77.2	79.7	80.1	80.2	80.6	81.0	81.2	81.4
IV 1000		40.0	46.5	51.2	69.8	71.1	75.6	78.0	78.9	81.5	82.0	82.2	82.6	82.9	83.1	83.3
IV 900		40.0	46.6	51.3	69.9	71.2	75.8	78.4	79.4	81.9	82.5	82.6	83.0	83.3	83.5	83.8
IV 800		40.0	46.6	51.3	70.2	71.5	76.1	78.8	79.8	82.4	82.9	83.0	83.4	83.8	84.0	84.2
IV 700		40.0	46.6	51.3	70.6	72.0	76.9	79.9	80.9	83.5	84.1	84.2	84.6	84.9	85.2	85.4
IV 600		40.1	46.7	51.4	70.9	72.3	77.2	80.8	81.7	84.8	85.4	85.5	85.9	86.2	86.5	86.7
IV 500		40.1	46.7	51.4	71.2	72.7	77.8	81.6	82.8	86.6	87.1	87.2	87.6	88.0	88.2	88.5
IV 400		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.3	88.2	88.3	89.0	89.6	89.9	90.5
IV 300		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.2	91.2	91.7	92.7
IV 200		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.4	92.5	93.4	96.1
IV 100		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.5	93.1	94.4	99.0
IV 0		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.5	93.1	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		19.8	21.1	23.2	26.9	27.0	28.5	29.0	29.4	30.2	30.3	30.4	30.4	30.4	30.4	30.4
≥ 20000		23.2	24.7	27.0	31.5	31.6	33.2	33.9	34.3	35.2	35.4	35.5	35.5	35.5	35.5	35.5
≥ 18000		23.7	25.2	27.4	31.9	32.0	33.7	34.3	34.7	35.6	35.8	35.9	35.9	35.9	35.9	35.9
≥ 16000		23.7	25.2	27.4	31.9	32.0	33.7	34.3	34.7	35.6	35.8	35.9	35.9	35.9	35.9	35.9
≥ 14000		23.9	25.4	27.6	32.3	32.4	34.0	34.6	35.1	35.9	36.1	36.2	36.2	36.2	36.2	36.2
≥ 12000		24.2	25.8	28.2	32.8	32.9	34.6	35.3	35.7	36.6	36.8	36.9	36.9	36.9	36.9	36.9
≥ 10000		26.2	28.2	30.5	35.6	35.7	37.6	38.3	38.7	39.9	40.1	40.2	40.2	40.2	40.2	40.2
≥ 9000		27.1	29.0	31.4	36.5	36.6	38.7	39.4	39.8	41.0	41.2	41.3	41.3	41.3	41.3	41.3
≥ 8000		30.3	32.4	35.1	41.0	41.2	43.4	44.3	44.7	45.9	46.1	46.2	46.2	46.2	46.2	46.2
≥ 7000		31.8	34.1	37.0	43.4	43.8	46.1	47.0	47.4	48.6	48.8	48.9	48.9	48.9	48.9	48.9
≥ 6000		32.6	34.9	38.0	44.5	44.8	47.2	48.1	48.5	49.7	49.9	50.0	50.0	50.0	50.0	50.0
≥ 5000		35.4	38.0	41.0	47.8	48.2	50.8	51.6	52.0	53.2	53.4	53.5	53.5	53.5	53.5	53.5
≥ 4500		39.2	42.4	45.4	52.3	52.6	55.3	56.1	56.6	57.7	58.0	58.1	58.1	58.1	58.1	58.1
≥ 4000		41.9	45.5	48.7	56.2	56.7	59.6	60.8	61.2	62.4	62.6	62.7	62.7	62.7	62.7	62.7
≥ 3500		46.2	51.1	53.7	61.8	62.6	65.6	66.8	67.2	68.5	68.7	68.8	68.8	68.8	68.8	68.8
≥ 3000		48.5	52.7	56.6	65.1	65.8	69.0	70.2	70.6	72.0	72.3	72.4	72.4	72.4	72.4	72.4
≥ 2500		51.8	56.7	60.9	70.2	71.2	74.8	76.1	76.6	78.0	78.2	78.3	78.3	78.3	78.3	78.3
≥ 2000		53.1	58.3	63.2	74.3	75.5	79.5	80.9	81.4	83.0	83.2	83.3	83.3	83.3	83.3	83.3
≥ 1800		53.1	58.6	63.7	75.7	76.9	81.0	82.5	83.0	84.6	84.8	84.9	84.9	84.9	84.9	84.9
≥ 1500		53.4	59.1	64.9	78.3	79.5	83.7	85.3	85.8	87.4	87.6	87.7	87.7	87.7	87.7	87.7
≥ 1200		53.8	59.5	65.7	80.2	81.7	85.9	87.5	88.1	89.7	89.9	90.0	90.0	90.0	90.0	90.0
≥ 1000		53.8	59.7	65.9	81.2	82.9	87.7	89.4	89.9	91.6	91.8	91.9	91.9	91.9	91.9	91.9
≥ 900		53.8	59.7	65.9	81.2	83.1	88.0	89.8	90.3	92.0	92.3	92.4	92.4	92.4	92.4	92.4
≥ 800		53.8	59.7	65.9	81.6	83.5	88.4	90.5	91.3	93.1	93.3	93.4	93.4	93.4	93.4	93.4
≥ 700		53.8	59.7	65.9	81.9	83.9	88.8	91.1	91.9	93.8	94.0	94.1	94.1	94.1	94.1	94.1
≥ 600		53.8	59.7	65.9	82.0	84.0	89.0	92.0	93.0	94.9	95.2	95.3	95.3	95.3	95.3	95.3
≥ 500		53.8	59.7	65.9	82.0	84.0	89.0	92.0	93.2	95.6	96.1	96.3	96.8	96.8	96.8	96.8
≥ 400		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.3	97.4	98.1	98.8	98.8	98.9	98.9
≥ 300		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.0	99.2	99.2
≥ 200		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.5	99.7	99.7
≥ 100		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.5	99.9	100.0
≥ 0		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30 46

HEIDELBERG AAF DL

68-70,74-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000		24.1 28.1	25.8 30.5	27.5 32.3	30.8 35.7	30.8 35.7	32.2 37.4	32.8 38.4	33.1 38.7	33.2 39.1	33.2 39.1	33.2 39.2	33.3 39.4	33.3 39.5	33.5 39.7	33.5 39.7
≥ 18000 IV 16000		28.9 28.9	31.5 31.5	33.2 33.2	36.8 36.9	36.8 36.9	38.5 38.6	39.5 39.6	39.8 39.9	40.2 40.3	40.2 40.3	40.3 40.4	40.4 40.5	40.5 40.6	40.8 40.9	40.8 40.9
IV 14000 IV 12000		29.6 31.0	32.2 33.5	33.9 35.3	37.6 39.1	37.6 39.1	39.4 40.9	40.3 41.9	40.6 42.3	41.1 42.7	41.1 42.7	41.2 42.8	41.3 42.9	41.4 43.0	41.6 43.2	41.6 43.2
IV 10000 IV 9000		33.0 34.2	35.8 37.4	37.5 39.1	41.6 43.3	41.6 43.3	43.5 45.3	44.7 46.5	45.1 46.8	45.6 47.4	45.6 47.4	45.7 47.5	45.8 47.6	45.9 47.7	46.1 48.0	46.1 48.0
≥ 8000 IV 7000		38.3 40.3	41.8 44.3	43.7 46.2	48.2 50.9	48.2 50.9	50.2 53.1	51.5 54.4	51.9 54.7	52.8 55.7	52.8 55.7	52.9 55.8	53.0 55.9	53.1 56.0	53.3 56.2	53.3 56.2
≥ 6000 IV 5000		41.8 44.9	45.9 49.5	48.1 51.9	52.7 57.0	52.7 57.0	54.9 59.4	56.2 60.6	56.6 61.0	57.5 61.9	57.5 61.9	57.6 62.0	57.7 62.2	57.8 62.3	58.1 62.5	58.1 62.5
IV 4500 IV 4000		49.5 52.3	54.2 57.3	56.7 60.0	62.2 66.0	62.2 66.0	64.5 68.5	65.8 70.0	66.1 70.3	67.1 71.5	67.1 71.5	67.2 71.6	67.3 71.7	67.4 71.8	67.6 72.0	67.6 72.0
IV 3500 IV 3000		56.1 57.7	62.7 64.9	65.5 68.5	72.0 75.7	72.0 75.7	74.8 78.7	76.3 80.3	76.7 80.6	77.8 81.9	77.8 81.9	78.0 82.0	78.1 82.2	78.2 82.3	78.4 82.5	78.4 82.5
IV 2500 IV 2000		61.3 61.6	67.0 68.8	71.4 73.9	79.2 83.0	79.2 83.0	82.4 86.6	84.1 88.4	84.4 88.9	85.7 90.4	85.7 90.4	85.8 90.5	85.9 90.6	86.0 90.8	86.2 91.0	86.2 91.0
IV 1800 IV 1500		61.6 61.7	68.8 69.1	74.0 74.3	83.8 84.8	83.8 84.8	87.3 88.4	89.1 90.3	89.8 91.1	91.3 92.6	91.3 92.6	91.4 92.7	91.5 92.8	91.6 92.9	91.8 93.1	91.8 93.1
IV 1200 IV 1000		61.7 61.7	69.1 69.1	74.5 74.5	85.5 85.5	85.8 85.8	89.8 90.1	91.8 92.2	92.6 92.9	94.2 94.5	94.2 94.5	94.3 94.6	94.4 94.7	94.5 94.8	94.7 95.1	94.7 95.1
≥ 900 IV 800		61.7 61.7	69.1 69.2	74.5 74.6	85.5 85.9	85.8 86.2	90.1 90.5	92.4 92.8	93.1 93.7	94.7 95.4	94.7 95.4	94.8 95.5	94.9 95.6	95.1 95.7	95.3 95.9	95.3 95.9
IV 700 IV 600		61.7 61.7	69.4 69.4	74.7 74.7	86.0 86.0	86.3 86.3	90.6 90.6	93.0 93.3	93.9 94.3	95.7 96.1	95.7 96.3	95.8 96.5	95.9 96.6	96.0 96.7	96.2 96.9	96.2 96.9
IV 500 IV 400		61.7 61.7	69.4 69.4	74.7 74.7	86.2 86.2	86.6 86.6	90.9 90.9	93.7 93.7	94.9 94.9	96.8 96.9	97.1 97.4	97.2 97.5	97.7 98.2	97.8 98.5	98.2 98.8	98.2 98.8
IV 300 IV 200		61.7 61.7	69.4 69.4	74.7 74.7	86.2 86.2	86.6 86.6	90.9 90.9	93.7 93.7	94.9 94.9	96.9 96.9	97.4 97.4	97.6 97.6	98.4 98.4	98.8 98.8	99.1 99.4	99.1 99.4
IV 100 IV 0		61.7 61.7	69.4 69.4	74.7 74.7	86.2 86.2	86.6 86.6	90.9 90.9	93.7 93.7	94.9 94.9	96.9 96.9	97.4 97.4	97.6 97.6	98.4 98.4	98.8 98.8	99.5 99.5	99.5 100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		26.1	27.1	28.0	31.5	31.7	33.7	34.5	34.6	35.5	35.5	35.5	35.5	35.6	35.6	35.8
≥ 20000		29.2	31.5	31.6	35.2	35.6	38.0	38.9	39.0	39.9	39.9	39.9	39.9	40.0	40.0	40.2
≥ 18000		29.5	31.8	31.8	35.4	35.8	38.2	39.1	39.2	40.1	40.1	40.1	40.1	40.2	40.2	40.4
≥ 16000		29.5	31.8	31.8	35.4	35.8	38.2	39.1	39.2	40.1	40.1	40.1	40.1	40.2	40.2	40.4
≥ 14000		31.4	31.7	32.8	36.3	36.8	39.1	40.1	40.2	41.1	41.1	41.1	41.1	41.2	41.2	41.4
≥ 12000		31.5	32.9	34.2	37.8	38.3	40.8	41.7	41.8	42.7	42.7	42.7	42.7	42.8	42.8	43.0
≥ 10000		34.2	35.9	37.3	41.1	41.6	44.2	45.4	45.8	46.8	46.8	46.8	46.8	46.9	46.9	47.1
≥ 9000		35.1	36.8	38.2	42.3	42.8	45.4	46.6	47.0	48.1	48.1	48.1	48.1	48.2	48.2	48.4
≥ 8000		40.4	42.6	44.4	49.1	49.7	53.3	54.6	55.1	56.3	56.3	56.3	56.3	56.5	56.5	56.7
≥ 7000		42.4	44.6	46.5	51.2	51.8	55.5	56.9	57.3	58.6	58.6	58.6	58.6	58.7	58.7	58.9
≥ 6000		43.3	45.7	47.6	52.6	53.2	56.9	58.3	58.7	60.0	60.0	60.0	60.0	60.1	60.1	60.3
≥ 5000		46.8	49.9	52.0	57.6	58.3	61.9	63.3	63.8	65.1	65.1	65.1	65.1	65.2	65.2	65.4
≥ 4500		51.1	54.4	56.8	63.0	63.7	67.4	68.8	69.2	70.5	70.5	70.5	70.5	70.6	70.6	70.9
≥ 4000		52.7	56.2	59.0	65.6	66.2	70.1	71.5	71.9	73.3	73.3	73.3	73.3	73.4	73.4	73.7
≥ 3500		55.5	60.2	63.1	70.2	70.9	74.9	76.3	76.8	78.2	78.2	78.2	78.2	78.3	78.3	78.5
≥ 3000		58.0	62.0	65.2	72.7	73.5	77.6	79.0	79.5	81.1	81.2	81.2	81.2	81.3	81.3	81.5
≥ 2500		59.7	64.0	67.5	76.6	77.4	81.6	83.0	83.7	85.3	85.4	85.4	85.4	85.5	85.5	85.7
≥ 2000		61.2	66.0	70.4	81.0	82.0	87.1	88.5	89.2	90.9	91.0	91.0	91.0	91.1	91.1	91.3
≥ 1800		61.2	66.7	70.5	81.4	82.5	87.5	88.9	89.7	91.3	91.4	91.4	91.4	91.5	91.5	91.7
≥ 1500		61.6	66.5	71.0	82.5	83.5	88.9	90.3	91.1	92.7	92.8	92.8	92.8	92.9	92.9	93.1
≥ 1200		61.6	66.5	71.0	82.5	83.8	89.5	90.9	91.6	93.2	93.3	93.3	93.3	93.4	93.4	93.7
≥ 1000		61.6	66.5	71.1	82.9	84.3	90.1	91.5	92.3	93.9	94.0	94.0	94.0	94.1	94.1	94.3
≥ 900		61.6	66.5	71.1	82.9	84.3	90.1	91.5	92.3	93.9	94.0	94.0	94.0	94.1	94.1	94.3
≥ 800		61.6	66.5	71.1	83.3	84.4	90.2	91.7	92.5	94.1	94.2	94.2	94.2	94.3	94.3	94.5
≥ 700		61.6	66.5	71.1	83.1	84.5	90.3	91.8	92.6	94.2	94.3	94.3	94.3	94.4	94.4	94.6
≥ 600		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.5	95.2	95.3	95.3	95.3	95.4	95.4	95.6
≥ 500		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.5	95.6	95.6	95.6	95.8	95.8	96.0
≥ 400		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.5	95.6	95.6	95.6	95.8	95.8	96.0
≥ 300		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.3	96.6	97.1
≥ 200		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.6	96.9	97.7
≥ 100		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.6	97.1	99.8
≥ 0		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.6	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF GL

68-70,74-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000		26.0 28.5	26.9 29.4	27.7 30.4	32.4 35.3	32.7 35.6	34.4 37.4	35.1 38.2	35.2 38.3	35.9 39.2	36.0 39.4	36.1 39.5	36.3 39.7	36.8 40.1	36.9 40.2	37.7 40.4
≥ 18000 ≥ 16000		28.5 28.6	29.4 29.5	30.4 30.5	35.3 35.4	35.6 35.7	37.4 37.5	38.2 38.3	38.3 38.4	39.2 39.4	39.4 39.5	39.5 39.6	39.7 39.8	40.1 40.2	40.2 40.3	40.4 40.5
≥ 14000 ≥ 12000		29.0 29.7	29.9 30.6	31.0 31.8	35.8 36.9	36.1 37.2	38.0 39.0	38.7 39.9	38.8 40.0	39.8 41.0	39.9 41.1	40.0 41.2	40.2 41.4	40.6 41.8	40.8 41.9	41.0 42.0
≥ 10000 ≥ 9000		32.8 33.4	34.0 35.1	35.2 36.2	40.4 41.8	40.8 42.2	42.8 44.2	43.9 45.3	44.7 45.4	44.9 46.3	45.1 46.5	45.2 46.6	45.4 46.8	45.8 47.2	45.9 47.3	46.1 47.5
≥ 8000 ≥ 7000		40.9 42.2	42.6 44.3	44.1 45.9	50.2 52.0	50.5 52.4	52.8 54.6	54.1 55.9	54.2 56.1	55.2 57.2	55.3 57.3	55.4 57.4	55.6 57.6	56.0 58.1	56.1 58.2	56.3 58.4
≥ 6000 ≥ 5000		43.0 47.2	45.2 49.5	46.8 51.4	53.0 59.1	53.3 59.5	55.6 61.7	56.9 63.0	57.1 63.2	58.2 64.3	58.3 64.4	58.4 64.5	58.6 64.7	59.0 65.2	59.1 65.3	59.4 65.5
≥ 4500 ≥ 4000		50.2 52.6	53.2 55.5	55.3 57.6	63.9 66.6	64.3 67.0	66.7 69.4	68.0 70.6	68.2 70.9	69.2 71.9	69.4 72.0	69.5 72.2	69.7 72.4	70.1 72.8	70.2 72.9	70.4 73.1
≥ 3500 ≥ 3000		55.2 56.1	58.4 60.5	60.6 63.0	69.8 72.7	70.4 73.4	72.9 76.1	74.2 77.4	74.4 77.7	75.5 78.9	75.6 79.0	75.7 79.1	75.9 79.4	76.3 79.8	76.5 79.9	76.7 80.1
≥ 2500 ≥ 2000		56.9 59.4	61.7 65.3	64.7 68.6	75.2 79.4	76.0 80.3	78.9 84.0	80.3 85.4	80.6 85.8	81.8 87.2	81.9 87.6	82.0 87.8	82.3 88.1	82.7 88.5	82.8 88.6	83.0 88.8
≥ 1800 ≥ 1500		59.5 59.5	65.4 65.6	68.7 69.0	79.9 80.5	80.9 81.5	84.5 85.3	85.9 86.7	86.3 87.2	87.7 88.6	88.2 89.0	88.4 89.2	88.6 89.5	89.0 89.9	89.1 90.0	89.4 90.2
≥ 1200 ≥ 1000		59.5 59.8	65.6 65.9	69.0 69.4	80.5 81.3	81.5 82.3	85.3 86.7	86.7 88.1	87.2 88.6	88.6 90.0	89.4 90.4	89.8 90.6	90.0 90.9	90.2 91.3	90.6 91.4	90.8 91.7
≥ 900 ≥ 800		59.8 59.8	65.9 65.9	69.4 69.4	81.5 81.6	82.6 82.7	87.1 87.2	88.6 88.8	89.4 89.4	90.5 90.8	91.0 91.2	91.2 91.4	91.4 91.6	91.8 92.0	91.9 92.2	92.3 92.5
≥ 700 ≥ 600		59.8 59.8	65.9 65.9	69.4 69.4	81.7 82.0	82.8 83.1	87.4 87.7	89.0 89.4	89.6 89.9	91.0 91.3	91.4 91.7	91.6 91.9	91.8 92.2	92.3 92.6	92.4 92.7	92.7 93.0
≥ 500 ≥ 400		59.8 59.8	66.1 66.1	69.6 69.6	82.6 82.6	83.7 83.8	88.3 88.6	89.9 90.3	90.6 91.1	92.0 92.5	92.5 92.9	92.7 93.1	92.9 93.3	93.3 93.8	93.4 93.9	93.8 94.2
≥ 300 ≥ 200		59.8 59.8	66.1 66.1	69.6 69.6	82.6 82.6	83.8 83.8	88.6 88.6	90.3 90.3	91.1 91.1	92.5 92.5	93.0 93.0	93.4 93.4	93.7 93.7	94.1 94.1	94.2 94.2	94.6 94.6
≥ 100 ≥ 0		59.8 59.8	66.1 66.1	69.6 69.6	82.6 82.6	83.8 83.8	88.6 88.6	90.3 90.3	91.1 91.1	92.5 92.5	93.0 93.0	93.5 93.5	93.8 93.8	94.2 94.2	94.5 94.5	94.7 94.7

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		20.3	22.1	23.5	27.1	27.3	28.7	29.3	29.5	30.0	30.2	30.3	30.4	30.7	30.8	31.2
≥ 20000		23.0	25.0	26.7	30.8	31.0	32.7	33.5	33.6	34.3	34.6	34.6	34.8	35.1	35.2	35.7
≥ 18000		23.2	25.2	26.9	31.0	31.2	32.9	33.7	33.9	34.5	34.8	34.8	35.0	35.3	35.4	35.9
≥ 16000		23.2	25.3	27.0	31.0	31.3	32.9	33.7	33.9	34.6	34.8	34.9	35.1	35.3	35.4	35.9
≥ 14000		23.7	25.8	27.4	31.6	31.8	33.5	34.3	34.5	35.1	35.4	35.4	35.6	35.9	36.7	36.9
≥ 12000		24.5	26.6	28.4	32.6	32.8	34.6	35.4	35.6	36.3	36.5	36.5	36.7	37.1	37.1	37.6
≥ 10000		26.9	29.2	31.0	35.5	35.8	37.6	38.6	38.8	39.6	39.9	39.9	40.1	40.4	40.5	41.1
≥ 9000		27.9	30.5	32.4	37.1	37.3	39.2	40.2	40.5	41.3	41.5	41.6	41.8	42.1	42.2	42.7
≥ 8000		32.0	35.8	38.1	43.6	43.9	46.2	47.3	47.6	48.5	48.7	48.8	49.0	49.3	49.4	49.9
≥ 7000		34.1	37.4	39.8	45.5	45.8	48.2	49.4	49.6	50.6	50.8	50.9	51.1	51.4	51.5	52.7
≥ 6000		34.9	38.2	40.7	46.5	46.8	49.2	50.4	50.7	51.7	51.9	51.9	52.2	52.5	52.6	53.1
≥ 5000		37.6	41.4	44.0	50.5	50.8	53.3	54.5	54.8	55.8	56.1	56.1	56.3	56.6	56.7	57.2
≥ 4500		41.5	45.5	48.3	55.3	55.7	58.3	59.5	59.7	60.8	61.0	61.1	61.3	61.6	61.7	62.2
≥ 4000		43.3	48.1	51.0	58.6	58.9	61.6	62.9	63.1	64.3	64.5	64.6	64.8	65.1	65.2	65.7
≥ 3500		47.0	51.8	55.1	63.2	63.7	66.5	67.8	68.1	69.3	69.5	69.6	69.8	70.1	70.2	70.7
≥ 3000		48.7	54.0	57.5	66.2	66.7	69.7	71.2	71.5	72.7	73.0	73.0	73.3	73.5	73.7	74.2
≥ 2500		50.3	56.1	60.2	69.6	70.2	73.4	75.0	75.3	76.5	76.8	76.8	77.1	77.4	77.5	78.1
≥ 2000		51.8	58.2	62.9	73.7	74.4	78.1	79.9	80.3	81.7	82.1	82.0	82.3	82.6	82.7	83.2
≥ 1800		51.9	58.3	63.1	74.3	75.0	78.8	80.5	80.9	82.4	82.6	82.7	82.9	83.3	83.4	83.9
≥ 1500		52.3	58.9	63.8	75.9	76.7	80.8	82.7	83.2	84.6	84.9	85.0	85.2	85.5	85.7	86.2
≥ 1200		52.4	59.0	64.1	76.7	77.7	82.1	84.0	84.5	86.0	86.3	86.4	86.6	86.9	87.0	87.5
≥ 1000		52.6	59.2	64.3	77.4	78.4	83.1	85.1	85.6	87.2	87.5	87.6	87.8	88.1	88.2	88.6
≥ 900		52.6	59.2	64.4	77.5	78.6	83.4	85.5	86.0	87.5	87.8	87.9	88.1	88.5	88.6	89.2
≥ 800		52.6	59.2	64.5	77.8	78.9	83.8	85.9	86.5	88.1	88.4	88.5	88.7	89.0	89.2	89.7
≥ 700		52.6	59.3	64.5	78.0	79.1	84.1	86.3	86.9	88.6	88.9	89.0	89.2	89.5	89.7	90.2
≥ 600		52.7	59.4	64.7	78.3	79.4	84.6	87.2	87.8	89.5	89.9	90.0	90.2	90.6	90.7	91.3
≥ 500		52.7	59.4	64.7	78.7	79.8	85.1	87.8	88.6	90.5	91.0	91.1	91.5	91.8	91.9	92.5
≥ 400		52.7	59.4	64.7	78.7	79.9	85.2	88.1	88.9	91.0	91.6	91.8	92.2	92.6	92.8	93.6
≥ 300		52.7	59.4	64.7	78.7	79.9	85.3	88.1	89.1	91.2	91.9	92.3	92.8	93.3	93.6	94.6
≥ 200		52.7	59.4	64.7	78.7	79.9	85.3	88.1	89.1	91.3	91.9	92.4	92.9	93.7	94.2	96.1
≥ 100		52.7	59.4	64.7	78.7	79.9	85.3	88.2	89.0	91.3	92.0	92.4	93.0	94.0	94.6	98.7
≥ 0		52.7	59.4	64.7	78.7	79.9	85.3	88.2	89.0	91.3	92.0	92.4	93.0	94.0	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

CEILING CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 44

HEIDELBERG AAF DL

68-70,74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		21.1	21.4	22.7	25.1	25.3	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 20000		27.1	23.6	24.8	27.2	27.4	28.3	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 18000		23.2	23.7	24.9	27.3	27.6	28.4	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 16000		23.3	23.9	25.0	27.4	27.7	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 14000		23.3	23.9	25.0	27.4	27.7	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 12000		23.7	24.2	25.4	27.9	28.1	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 10000		25.8	26.4	27.8	30.3	30.6	31.4	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9000		27.3	28.0	29.3	31.9	32.1	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 8000		33.1	33.8	35.6	38.2	38.4	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 7000		34.6	35.2	37.0	39.7	39.9	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 6000		36.0	36.9	38.6	41.2	41.4	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 5000		39.7	41.1	43.0	45.7	45.9	47.3	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500		45.1	47.2	49.1	52.1	52.4	54.1	54.3	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 4000		48.7	51.1	53.2	57.0	57.4	59.4	59.7	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3500		51.9	54.8	57.0	61.0	61.4	63.7	63.9	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3000		54.8	57.9	60.8	65.6	66.0	68.6	68.8	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500		59.4	63.2	66.6	71.7	72.2	75.1	75.3	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2000		62.2	66.7	71.0	77.2	77.8	81.0	81.2	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1800		62.4	67.1	71.7	78.2	78.8	82.0	82.2	82.3	82.6	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500		63.7	68.4	73.2	81.0	81.6	84.8	85.0	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1200		63.7	68.6	73.6	82.2	82.8	86.1	86.3	86.6	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000		63.8	68.7	73.8	83.3	84.0	87.4	87.7	87.9	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900		63.8	68.7	74.1	83.8	84.4	88.0	88.2	88.4	89.2	89.6	89.6	89.6	89.7	89.7	89.7
≥ 800		63.8	68.7	74.1	84.1	84.8	88.6	88.8	89.0	89.8	90.1	90.1	90.1	90.2	90.2	90.2
≥ 700		63.8	68.8	74.2	84.7	85.3	89.4	89.7	89.9	90.7	91.0	91.0	91.0	91.1	91.1	91.1
≥ 600		63.8	68.9	74.3	84.8	85.4	89.6	90.2	90.6	91.4	91.9	91.9	91.9	92.0	92.0	92.0
≥ 500		63.8	68.9	74.3	84.8	85.4	89.7	90.6	91.0	92.7	93.3	93.4	93.4	93.6	93.6	93.6
≥ 400		63.8	68.9	74.3	84.8	85.4	89.8	90.9	91.3	93.1	93.9	94.2	94.3	94.4	94.4	94.4
≥ 300		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	93.8	94.7	95.1	95.4	95.7	95.7	95.7
≥ 200		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	94.0	94.9	95.3	95.8	96.2	96.2	96.2
≥ 100		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	94.0	94.9	95.3	95.8	96.7	96.7	96.7
≥ 0		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	94.0	94.9	95.3	95.8	96.7	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34-46

HEIDELBERG AAF NL

68-79,74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		19.7	22.8	22.1	23.0	23.4	24.8	25.1	25.4	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 20000		22.3	23.1	24.4	25.3	25.8	27.2	27.7	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 18000		22.1	23.1	24.4	25.3	25.8	27.2	27.7	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000		22.1	23.1	24.4	25.3	25.8	27.2	27.7	28.0	28.4	28.4	28.4	28.4	28.4	28.4	26.4
≥ 14000		22.1	23.2	24.6	25.4	25.9	27.3	27.8	28.1	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 12000		22.7	23.6	25.1	26.0	26.4	27.9	28.3	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 10000		24.3	25.4	26.8	27.7	28.1	29.8	30.2	30.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 9000		25.6	26.7	28.1	29.2	29.7	31.3	31.8	32.1	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 8000		31.6	32.7	34.7	35.9	36.3	38.1	38.6	38.9	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 7000		33.2	34.3	36.3	37.6	38.0	39.8	40.2	40.6	41.2	41.3	41.3	41.3	41.3	41.3	41.3
≥ 6000		34.3	35.4	37.4	38.9	39.4	41.2	41.7	42.1	42.7	42.8	42.8	42.8	42.8	42.8	42.8
≥ 5000		37.8	38.3	42.0	43.6	44.1	45.9	46.3	46.7	47.3	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4500		41.4	43.4	46.2	48.8	49.4	51.2	51.7	52.1	52.8	53.0	53.0	53.0	53.0	53.0	53.0
≥ 4000		46.9	49.0	51.9	55.1	55.9	58.0	58.4	58.8	59.7	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3500		50.2	52.7	55.9	59.3	60.1	62.2	62.7	63.1	63.9	64.1	64.1	64.1	64.1	64.1	64.1
≥ 3000		53.9	56.7	60.8	64.4	65.3	67.4	67.9	68.2	69.1	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500		58.1	61.0	66.0	70.1	71.0	73.1	73.6	73.9	74.8	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2000		61.0	64.4	69.9	75.8	76.8	79.0	79.4	79.8	80.8	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800		61.4	65.0	70.4	76.6	77.6	79.8	80.2	80.6	81.6	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1500		62.8	66.3	71.8	79.8	80.8	83.2	83.7	84.0	85.1	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200		63.0	66.6	72.2	80.6	81.9	84.4	85.2	85.6	86.8	87.3	87.4	87.4	87.4	87.4	87.4
≥ 1000		63.0	66.6	72.2	80.8	82.2	84.9	85.7	86.0	87.3	87.9	88.0	88.0	88.0	88.0	88.0
≥ 900		63.0	66.6	72.4	81.6	83.0	85.8	86.6	87.0	88.3	88.9	89.0	89.0	89.0	89.0	89.0
≥ 800		63.0	66.6	72.6	82.0	83.6	86.4	87.2	87.7	89.0	89.6	89.7	89.7	89.7	89.7	89.7
≥ 700		63.0	66.9	72.9	82.7	84.6	87.4	88.2	88.7	90.0	90.6	90.7	90.7	90.7	90.7	90.7
≥ 600		63.0	66.8	72.9	82.7	84.6	87.9	88.7	89.1	90.4	91.0	91.1	91.1	91.1	91.1	91.1
≥ 500		63.0	66.9	72.9	83.1	85.0	88.7	89.7	90.3	92.4	93.3	93.6	93.6	93.6	93.6	93.6
≥ 400		63.0	66.8	72.9	83.1	85.0	88.7	89.7	90.3	92.8	93.8	94.1	94.2	94.3	94.3	94.3
≥ 300		63.0	66.8	72.9	83.1	85.0	88.7	89.9	91.6	93.3	94.3	94.8	95.1	95.4	95.4	95.6
≥ 200		63.0	66.9	72.9	83.1	85.0	88.9	90.3	91.7	93.9	95.1	95.6	95.9	96.7	96.7	98.0
≥ 100		63.0	66.8	72.9	83.1	85.0	88.9	90.3	91.0	94.0	95.2	95.7	96.0	97.1	97.1	99.6
≥ 0		63.0	66.8	72.9	83.1	85.0	88.9	90.3	91.0	94.0	95.2	95.7	96.0	97.1	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 45

HEIDELBERG AAF DL

68-70, 74-80

NCV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		15.3	16.6	17.3	19.1	19.4	20.0	20.8	21.3	21.6	21.6	21.6	21.6	21.7	21.9	22.0
≥ 20000		16.6	18.1	18.8	20.8	21.1	21.8	22.6	23.2	23.4	23.4	23.4	23.4	23.6	23.7	24.0
≥ 18000		16.9	18.1	18.9	20.9	21.2	21.9	22.7	23.3	23.6	23.6	23.6	23.6	23.7	23.8	24.1
≥ 16000		16.9	18.1	18.9	20.9	21.2	21.9	22.7	23.3	23.6	23.6	23.6	23.6	23.7	23.8	24.1
≥ 14000		17.0	18.2	19.0	21.0	21.3	22.0	22.8	23.4	23.7	23.7	23.7	23.7	23.8	23.9	24.2
≥ 12000		17.1	18.4	19.2	21.2	21.6	22.2	23.1	23.9	24.1	24.1	24.1	24.1	24.2	24.3	24.7
≥ 10000		18.8	20.2	21.2	23.3	23.7	24.7	25.6	26.3	26.6	26.6	26.6	26.6	26.7	26.8	27.1
≥ 9000		19.6	21.0	22.1	24.4	24.8	25.8	26.7	27.4	27.7	27.7	27.7	27.7	27.8	27.9	28.2
≥ 8000		24.4	26.1	27.2	29.7	30.0	31.2	32.1	33.1	33.2	33.2	33.2	33.2	33.3	33.4	33.8
≥ 7000		27.3	29.1	30.2	32.7	33.0	34.2	35.1	36.1	36.3	36.6	36.6	36.6	36.7	36.8	37.1
≥ 6000		28.4	30.3	31.4	33.9	34.2	35.8	36.7	37.7	37.9	38.1	38.1	38.1	38.2	38.3	38.7
≥ 5000		31.8	33.9	35.3	38.2	38.6	40.1	41.0	42.1	42.6	42.8	42.8	42.8	42.9	43.0	43.3
≥ 4500		30.3	38.6	40.9	45.0	45.3	47.2	48.2	49.3	49.8	50.0	50.0	50.0	50.1	50.2	50.6
≥ 4000		40.1	42.4	45.0	49.3	49.8	51.7	52.7	53.8	54.2	54.4	54.4	54.4	54.6	54.7	55.1
≥ 3500		43.6	46.1	49.1	54.4	54.9	57.0	58.2	59.4	60.0	60.2	60.2	60.2	60.4	60.6	60.9
≥ 3000		46.2	48.9	52.1	58.0	58.7	60.8	62.0	63.2	63.8	64.0	64.0	64.0	64.3	64.4	64.8
≥ 2500		50.6	53.8	57.2	63.4	64.1	66.3	67.7	68.9	69.7	69.9	69.9	69.9	70.2	70.3	70.7
≥ 2000		54.1	57.8	62.1	70.1	71.0	73.4	74.8	76.1	77.0	77.2	77.2	77.2	77.6	77.7	78.1
≥ 1800		55.2	59.0	63.8	72.0	72.9	75.3	76.7	78.0	79.0	79.2	79.2	79.2	79.6	79.7	80.1
≥ 1500		50.4	60.6	65.6	74.6	75.6	78.6	80.2	81.6	82.6	83.1	83.0	83.0	83.3	83.4	83.8
≥ 1200		56.9	61.3	66.6	76.6	77.7	80.8	82.6	83.9	85.1	85.7	85.7	85.7	86.1	86.1	86.4
≥ 1000		56.9	61.4	66.8	77.4	78.8	82.0	83.8	85.1	86.3	86.9	86.9	86.9	87.2	87.3	87.7
≥ 900		56.9	61.4	66.9	77.8	79.1	82.8	84.6	85.9	87.1	87.7	87.7	87.7	88.0	88.1	88.4
≥ 800		57.1	61.9	67.4	78.4	79.8	83.6	85.3	86.7	87.9	88.4	88.4	88.4	88.8	88.9	89.2
≥ 700		57.1	62.0	67.7	78.8	80.2	84.1	86.2	87.6	88.8	89.3	89.3	89.3	89.7	89.8	90.1
≥ 600		57.1	62.0	67.8	79.1	80.7	85.0	87.1	88.6	89.8	90.4	90.4	90.6	90.9	91.1	91.4
≥ 500		57.1	62.0	67.9	79.4	81.1	85.8	88.1	89.8	91.1	91.9	91.9	92.0	92.3	92.6	92.9
≥ 400		57.1	62.0	67.9	79.4	81.1	86.1	88.9	90.8	92.2	93.3	93.3	93.6	94.0	94.2	94.7
≥ 300		57.1	62.0	67.9	79.6	81.2	86.2	89.3	91.2	92.7	94.0	94.3	94.6	95.6	95.8	96.4
≥ 200		57.1	62.0	67.9	79.8	81.4	86.4	89.6	91.4	93.1	94.6	94.9	95.1	96.1	96.3	97.9
≥ 100		57.1	62.0	67.9	79.8	81.4	86.4	89.6	91.4	93.1	94.6	94.9	95.1	96.4	96.8	99.1
≥ 0		57.1	62.0	67.9	79.8	81.4	86.4	89.6	91.4	93.1	94.6	94.9	95.1	96.4	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3446

HEIDELBERG AAF DL

68-70, 74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1967-1968
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		14.4	15.6	16.8	19.8	19.8	21.0	21.7	22.1	22.4	22.4	22.4	22.4	22.4	22.4	23.1
≥ 20000		16.2	17.4	19.3	22.4	22.4	23.7	24.7	25.1	25.6	25.6	25.6	25.6	25.6	25.6	26.3
≥ 18000		16.7	17.9	19.4	23.0	23.0	24.2	25.2	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.9
≥ 16000		16.7	17.9	19.4	23.0	23.0	24.2	25.2	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.9
≥ 14000		16.9	18.1	19.7	23.2	23.3	24.6	25.6	26.1	26.4	26.4	26.4	26.4	26.4	26.4	27.2
≥ 12000		17.2	18.4	20.1	24.1	24.3	25.6	26.6	27.0	27.4	27.4	27.4	27.4	27.4	27.4	28.2
≥ 10000		19.1	20.4	22.1	26.2	26.4	27.8	28.9	29.4	29.9	29.9	29.9	29.9	29.9	29.9	30.7
≥ 9000		19.9	21.3	23.0	27.2	27.4	28.8	29.9	30.4	30.9	30.9	30.9	30.9	30.9	30.9	31.7
≥ 8000		23.8	25.3	27.2	31.9	32.1	33.7	34.8	35.4	35.9	35.9	35.9	35.9	35.9	35.9	36.7
≥ 7000		26.3	27.9	29.9	34.6	34.8	36.4	37.6	38.3	38.8	38.8	38.8	38.8	38.8	38.8	39.6
≥ 6000		27.0	28.6	30.7	35.3	35.6	37.2	38.4	39.2	39.8	39.8	39.8	39.8	39.8	39.8	40.6
≥ 5000		29.4	31.0	33.2	38.4	38.7	40.4	41.7	42.4	43.0	43.0	43.0	43.0	43.1	43.1	43.9
≥ 4500		34.9	37.0	39.3	45.1	45.7	47.4	48.7	49.4	50.0	50.0	50.0	50.0	50.1	50.1	50.9
≥ 4000		36.8	39.1	41.7	48.1	48.9	50.8	52.1	52.9	53.6	53.6	53.6	53.6	53.7	53.7	54.4
≥ 3500		40.9	43.6	46.6	53.4	54.3	56.4	58.0	58.8	59.6	59.6	59.6	59.6	59.7	59.7	60.4
≥ 3000		45.1	48.1	51.3	59.2	60.3	62.7	64.4	65.2	66.0	66.0	66.0	66.0	66.1	66.1	66.9
≥ 2500		47.2	50.4	54.0	62.4	63.6	65.9	67.7	68.4	69.3	69.4	69.4	69.4	69.6	69.6	70.3
≥ 2000		50.0	53.9	57.6	67.1	68.3	71.7	74.1	74.9	75.8	76.0	76.0	76.0	76.1	76.1	76.9
≥ 1800		50.4	54.4	58.1	67.9	69.1	72.6	75.0	75.8	76.8	77.0	77.0	77.0	77.1	77.1	77.9
≥ 1500		52.1	56.4	60.4	70.4	71.9	76.1	78.9	79.7	80.8	81.0	81.0	81.0	81.1	81.1	81.9
≥ 1200		52.7	57.0	61.8	73.2	74.7	79.2	82.1	82.9	84.0	84.2	84.2	84.2	84.3	84.3	85.1
≥ 1000		52.8	57.1	62.0	74.2	75.8	80.9	84.1	85.1	86.2	86.4	86.6	86.7	86.8	86.8	87.6
≥ 900		53.0	57.4	62.3	74.7	76.2	81.4	84.7	85.7	86.8	87.0	87.1	87.2	87.3	87.3	88.1
≥ 800		53.1	57.7	62.7	75.9	77.7	83.1	86.6	87.6	88.9	89.1	89.2	89.3	89.4	89.4	90.2
≥ 700		53.2	57.8	62.9	76.8	78.7	84.1	88.0	89.0	90.3	90.6	90.7	90.8	90.9	90.9	91.7
≥ 600		53.2	57.8	62.9	77.0	78.9	84.6	88.4	89.6	91.4	91.8	91.9	92.0	92.2	92.4	93.2
≥ 500		53.2	57.8	62.9	77.1	79.0	85.0	89.1	90.3	92.3	92.7	92.8	93.0	93.3	93.6	94.3
≥ 400		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.7	94.0	94.1	94.4	94.8	95.0	95.8
≥ 300		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	95.8	96.2	97.2
≥ 200		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	96.0	96.4	97.9
≥ 100		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	96.0	96.4	99.3
≥ 0		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	96.0	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AFM LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3445

HEIDELBERG AAF DL

68-70,74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		16.1	17.4	18.4	21.4	21.6	22.9	23.3	23.7	24.1	24.1	24.4	24.6	24.8	24.8	24.9
≥ 20000		19.0	20.9	21.9	25.4	25.6	27.0	27.6	27.9	28.3	28.3	28.7	28.8	29.0	29.0	29.1
≥ 18000		19.1	21.1	22.0	25.6	25.7	27.1	27.7	28.0	28.4	28.4	28.8	28.9	29.1	29.1	29.2
≥ 16000		19.1	21.0	22.0	25.6	25.7	27.1	27.7	28.0	28.4	28.4	28.8	28.9	29.1	29.1	29.2
≥ 14000		19.6	21.4	22.4	26.0	26.1	27.6	28.1	28.4	28.9	28.9	29.2	29.3	29.6	29.6	29.7
≥ 12000		20.0	21.9	22.9	26.6	26.7	28.2	28.8	29.1	29.6	29.6	29.9	30.0	30.2	30.2	30.3
≥ 10000		21.8	23.8	24.9	28.6	28.7	30.2	30.8	31.1	31.6	31.6	31.9	32.0	32.2	32.2	32.3
≥ 9000		23.7	25.7	26.9	30.9	31.0	32.6	33.2	33.6	34.0	34.0	34.3	34.4	34.7	34.7	34.8
≥ 8000		28.2	30.0	31.8	35.8	35.9	37.6	38.2	38.6	39.0	39.0	39.3	39.4	39.7	39.7	39.8
≥ 7000		30.2	32.6	34.1	38.1	38.2	39.9	40.9	41.3	41.8	41.8	42.1	42.2	42.4	42.4	42.6
≥ 6000		31.0	33.4	35.0	39.0	39.1	40.9	41.9	42.3	42.8	42.8	43.1	43.2	43.4	43.4	43.6
≥ 5000		33.2	35.8	37.4	41.9	42.0	43.8	44.8	45.2	45.7	45.7	46.0	46.1	46.4	46.4	46.6
≥ 4500		35.1	40.9	42.7	47.4	47.7	49.4	50.4	50.9	51.3	51.3	51.7	51.8	52.1	52.1	52.2
≥ 4000		41.0	43.8	45.7	50.4	50.8	52.7	53.7	54.1	54.6	54.6	54.9	55.0	55.3	55.3	55.4
≥ 3500		45.8	48.8	50.8	55.8	56.3	58.2	59.6	60.0	60.6	60.6	60.9	61.0	61.3	61.3	61.4
≥ 3000		50.8	53.9	56.2	62.0	62.7	64.9	66.3	66.8	67.3	67.3	67.7	67.8	68.1	68.1	68.2
≥ 2500		53.3	56.8	60.0	66.1	66.8	69.1	70.6	71.0	71.9	71.9	72.2	72.3	72.7	72.7	72.9
≥ 2000		56.9	60.7	64.7	72.8	73.4	76.0	78.0	78.6	79.7	79.7	80.0	80.1	80.4	80.4	80.6
≥ 1800		56.9	60.8	64.9	73.2	73.9	76.8	78.9	79.4	80.6	80.6	80.9	81.0	81.3	81.3	81.4
≥ 1500		58.2	62.2	66.3	75.1	75.8	79.3	81.8	82.3	83.7	83.7	84.0	84.1	84.4	84.4	84.6
≥ 1200		59.2	63.4	68.0	77.9	78.7	82.4	85.2	85.9	87.4	87.4	87.8	87.9	88.2	88.2	88.3
≥ 1000		59.7	64.0	68.7	79.2	80.2	84.3	87.4	88.2	89.8	89.8	90.1	90.2	90.6	90.6	90.7
≥ 900		59.8	64.2	68.9	79.8	80.8	84.9	88.1	88.9	90.6	90.6	90.9	91.0	91.3	91.3	91.4
≥ 800		59.8	64.2	68.9	81.0	82.0	86.1	89.7	90.6	92.2	92.2	92.6	92.7	93.0	93.0	93.1
≥ 700		59.9	64.3	69.0	81.3	82.3	86.6	90.3	91.2	92.9	92.9	93.2	93.3	93.7	93.7	93.8
≥ 600		59.9	64.4	69.2	81.7	82.7	86.9	90.8	91.7	93.6	93.7	94.1	94.3	94.7	94.7	94.8
≥ 500		59.9	64.4	69.2	81.9	82.9	87.1	91.0	91.9	94.2	94.4	94.9	95.2	95.6	95.6	95.7
≥ 400		59.9	64.4	69.2	81.9	82.9	87.1	91.0	91.9	94.8	95.2	95.7	96.1	96.4	96.4	96.6
≥ 300		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.0	96.6	97.1	97.6	98.0	98.1
≥ 200		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.0	96.6	97.1	97.8	98.2	98.7
≥ 100		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.1	96.7	97.2	97.9	98.4	99.8
≥ 0		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.1	96.7	97.2	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 45

HEIDELBERG AAF DL

68-70,74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥½
NO CEILING		17.4	18.7	20.4	22.2	22.3	23.7	24.2	24.6	25.1	25.1	25.1	25.2	25.2	25.2	25.3
≥ 20000		21.0	22.6	24.8	26.8	26.9	28.3	29.0	29.3	30.0	30.0	30.0	30.1	30.1	30.1	30.2
≥ 18000		21.1	22.9	25.1	27.1	27.2	28.7	29.3	29.7	30.3	30.3	30.3	30.4	30.4	30.4	30.6
≥ 16000		21.1	22.9	25.1	27.1	27.2	28.7	29.3	29.7	30.3	30.3	30.3	30.4	30.4	30.4	30.6
≥ 14000		21.6	23.3	25.6	27.6	27.7	29.1	29.8	30.1	30.8	30.8	30.8	30.9	30.9	30.9	31.0
≥ 12000		22.0	23.8	26.0	28.0	28.1	29.6	30.2	30.6	31.2	31.2	31.2	31.3	31.3	31.3	31.4
≥ 10000		24.2	26.0	28.2	30.4	30.6	32.0	32.7	33.1	33.8	33.8	33.8	33.9	33.9	33.9	34.0
≥ 9000		25.7	27.6	29.9	32.2	32.4	34.1	34.8	35.2	35.9	35.9	35.9	36.0	36.0	36.0	36.1
≥ 8000		29.4	31.3	33.8	36.2	36.4	38.2	38.9	39.3	40.0	40.0	40.0	40.1	40.1	40.1	40.2
≥ 7000		30.7	33.2	35.7	38.1	38.3	40.1	40.8	41.3	42.0	42.0	42.0	42.1	42.1	42.1	42.2
≥ 6000		31.5	34.4	36.9	39.4	39.7	41.6	42.2	42.8	43.4	43.4	43.4	43.6	43.6	43.6	43.7
≥ 5000		34.9	37.8	40.3	43.1	43.3	45.2	46.0	46.6	47.2	47.2	47.2	47.3	47.3	47.3	47.4
≥ 4500		39.6	42.6	45.6	48.8	49.0	50.9	51.7	52.2	52.9	52.9	52.9	53.0	53.0	53.0	53.1
≥ 4000		42.9	46.0	49.1	52.4	53.0	54.9	55.7	56.2	56.9	56.9	56.9	57.0	57.0	57.0	57.1
≥ 3500		48.1	51.4	54.6	58.7	59.4	61.4	62.4	63.0	63.7	63.7	63.7	63.8	63.8	63.8	63.9
≥ 3000		52.1	55.9	59.0	63.3	64.1	66.7	67.9	68.4	69.1	69.1	69.1	69.2	69.2	69.2	69.3
≥ 2500		56.2	60.2	63.7	68.6	69.4	72.0	73.2	73.9	74.7	74.9	74.9	75.0	75.0	75.0	75.1
≥ 2000		59.2	64.3	68.2	75.9	76.9	79.9	81.1	81.9	82.7	83.0	83.0	83.1	83.1	83.1	83.2
≥ 1800		59.4	64.6	68.4	76.6	77.6	80.8	82.0	82.8	83.7	84.0	84.0	84.1	84.1	84.1	84.2
≥ 1500		60.6	65.8	70.0	78.8	79.9	83.4	85.6	86.4	88.1	88.4	88.4	88.6	88.6	88.6	88.7
≥ 1200		61.7	67.0	71.2	80.9	82.4	86.3	88.7	89.7	91.6	91.9	91.9	92.0	92.0	92.0	92.1
≥ 1000		61.9	67.3	71.6	81.9	83.4	87.3	89.9	91.0	93.0	93.3	93.3	93.4	93.4	93.4	93.6
≥ 900		61.9	67.3	71.6	82.0	83.6	87.4	90.0	91.1	93.1	93.4	93.4	93.6	93.6	93.6	93.7
≥ 800		61.9	67.3	71.6	82.6	84.1	88.2	90.8	91.9	93.9	94.2	94.3	94.4	94.4	94.4	94.6
≥ 700		61.9	67.3	71.6	82.6	84.1	88.3	91.3	92.6	94.6	95.1	95.2	95.3	95.3	95.3	95.4
≥ 600		61.9	67.3	71.6	82.7	84.2	88.6	91.6	92.9	95.0	95.7	95.8	95.9	95.9	95.9	96.0
≥ 500		61.9	67.3	71.6	82.7	84.2	88.6	91.8	93.1	95.2	96.1	96.2	96.4	96.4	96.4	96.6
≥ 400		61.9	67.3	71.6	82.7	84.2	88.6	91.8	93.1	95.3	96.2	96.3	96.6	96.7	96.8	97.0
≥ 300		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.3	97.4	97.7
≥ 200		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.8	97.9	98.7
≥ 100		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.8	97.9	99.9
≥ 0		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.8	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING		18.6	21.0	21.0	23.0	23.1	24.7	24.9	25.0	25.1	25.2	25.2	25.4	25.4	25.4	25.4
≥ 20000		22.4	24.7	25.3	27.6	27.7	29.2	29.4	29.6	29.7	29.8	29.8	30.0	30.0	30.0	30.0
≥ 18000		22.7	24.2	25.6	27.8	27.9	29.4	29.7	29.8	29.9	30.0	30.0	30.2	30.2	30.2	30.2
≥ 16000		22.7	24.2	25.6	27.8	27.9	29.4	29.7	29.8	29.9	30.0	30.0	30.2	30.2	30.2	30.2
≥ 14000		23.1	24.7	26.0	28.2	28.3	29.9	30.1	30.2	30.3	30.4	30.4	30.7	30.7	30.7	30.7
≥ 12000		23.2	24.3	26.1	28.6	28.7	30.3	30.9	31.0	31.1	31.2	31.2	31.4	31.4	31.4	31.4
≥ 10000		26.1	27.7	29.4	32.0	32.1	33.8	34.3	34.4	34.6	34.7	34.7	34.9	34.9	34.9	34.9
≥ 9000		28.0	29.7	32.0	34.9	35.0	36.7	37.2	37.3	37.4	37.6	37.6	37.8	37.8	37.8	37.8
≥ 8000		34.0	35.9	38.2	41.6	41.7	43.8	44.3	44.4	44.6	44.7	44.7	44.9	44.9	44.9	44.9
≥ 7000		36.1	38.0	40.3	43.8	43.9	46.0	46.6	46.7	46.8	46.9	46.9	47.1	47.1	47.1	47.2
≥ 6000		36.9	38.8	41.1	44.6	44.7	46.8	47.3	47.4	47.6	47.7	47.7	47.9	47.9	47.9	48.0
≥ 5000		39.7	41.7	44.2	48.2	48.3	50.7	51.2	51.3	51.4	51.6	51.6	51.8	51.8	51.8	51.9
≥ 4500		45.0	47.2	50.1	54.8	54.9	57.4	58.2	58.4	58.6	58.7	58.7	58.9	58.9	58.9	59.0
≥ 4000		45.8	51.1	54.0	58.7	58.8	61.7	62.6	62.8	62.9	63.0	63.0	63.2	63.2	63.2	63.3
≥ 3500		52.7	55.2	58.1	63.7	63.8	66.8	67.7	67.9	68.0	68.1	68.1	68.4	68.6	68.6	68.7
≥ 3000		55.6	58.4	61.7	67.9	68.0	71.2	72.1	72.3	72.4	72.6	72.6	72.9	73.0	73.0	73.1
≥ 2500		57.9	62.1	66.4	73.2	73.3	76.8	77.9	78.1	78.2	78.3	78.3	78.7	78.8	78.8	78.9
≥ 2000		59.9	65.2	71.0	79.1	79.4	83.1	84.2	84.4	84.6	84.7	84.7	85.0	85.1	85.1	85.2
≥ 1800		60.1	65.4	71.2	79.6	79.9	83.8	84.9	85.1	85.2	85.3	85.3	85.7	85.8	85.8	85.9
≥ 1500		61.1	66.7	72.7	81.2	82.1	86.6	87.7	87.9	88.2	88.3	88.3	88.7	88.8	88.8	88.9
≥ 1200		61.3	67.1	73.2	82.7	83.9	88.4	89.6	89.8	90.1	90.2	90.2	90.6	90.7	90.7	90.8
≥ 1000		61.3	67.2	73.3	83.6	84.9	89.8	90.9	91.2	91.6	91.7	91.7	92.0	92.1	92.1	92.2
≥ 900		61.3	67.2	73.3	83.8	85.1	90.0	91.1	91.4	91.8	91.9	91.9	92.2	92.3	92.3	92.4
≥ 800		61.3	67.2	73.3	83.8	85.1	90.0	91.1	91.4	91.8	91.9	92.2	92.6	92.7	92.7	92.8
≥ 700		61.3	67.2	73.3	83.9	85.2	90.4	91.8	92.1	92.4	92.6	92.9	93.2	93.3	93.3	93.4
≥ 600		61.3	67.2	73.4	84.2	85.6	90.8	92.1	92.6	92.9	93.0	93.3	93.8	93.9	93.9	94.0
≥ 500		61.3	67.2	73.4	84.4	85.8	91.0	92.6	93.1	93.7	93.9	94.4	95.0	95.1	95.1	95.4
≥ 400		61.3	67.2	73.4	84.4	85.8	91.0	92.8	93.3	94.1	94.3	94.9	95.4	95.6	95.6	95.9
≥ 300		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.8	97.1
≥ 200		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.8	97.8
≥ 100		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.8	99.1
≥ 0		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40

HEIDELBERG AAF DL

66-70,74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		17.7	18.6	19.7	23.0	23.1	24.1	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 20000		20.1	21.0	22.1	25.4	25.6	26.7	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 18000		20.1	21.0	22.1	25.4	25.6	26.7	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 16000		20.3	21.2	22.3	25.7	25.8	26.9	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 14000		20.3	21.2	22.3	25.7	25.8	26.9	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 12000		20.8	21.9	23.0	26.3	26.4	27.7	27.8	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 10000		23.7	24.9	26.0	29.4	29.6	30.9	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 9000		26.7	28.0	29.4	33.0	33.1	34.8	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 8000		31.1	32.9	34.3	38.4	38.6	40.4	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 7000		32.6	34.7	36.1	40.4	40.6	42.6	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000		34.0	36.3	37.8	42.1	42.2	44.2	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 5000		37.9	40.9	42.3	46.9	47.0	49.0	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4500		44.4	47.4	49.2	53.8	53.9	56.3	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000		47.9	50.9	53.0	58.1	58.2	61.2	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3500		51.9	55.1	57.6	63.2	63.3	66.3	66.8	66.8	67.0	67.0	67.1	67.2	67.2	67.2	67.2
≥ 3000		54.6	58.0	60.9	67.1	67.2	70.6	71.0	71.0	71.2	71.2	71.3	71.4	71.4	71.4	71.4
≥ 2500		57.3	62.1	65.8	72.2	72.6	76.0	76.6	76.6	76.8	76.8	76.9	77.0	77.0	77.0	77.0
≥ 2000		59.4	64.7	69.7	76.9	77.2	80.9	81.7	81.7	81.9	81.9	82.0	82.1	82.1	82.1	82.1
≥ 1800		60.0	65.2	70.3	77.6	77.9	81.6	82.3	82.3	82.6	82.6	82.7	82.8	82.8	82.8	82.8
≥ 1500		60.9	66.7	72.2	80.7	81.2	85.1	85.9	85.9	86.1	86.1	86.2	86.3	86.3	86.3	86.3
≥ 1200		61.2	67.6	73.3	83.0	83.6	87.7	88.4	88.4	88.7	88.7	88.8	88.9	88.9	88.9	88.9
≥ 1000		61.4	68.0	73.9	84.0	84.6	88.9	89.7	90.0	90.2	90.2	90.3	90.4	90.4	90.4	90.4
≥ 900		61.6	68.1	74.0	84.2	84.8	89.1	89.9	90.2	90.4	90.4	90.6	90.7	90.7	90.7	90.7
≥ 800		61.6	68.1	74.0	84.8	85.3	90.1	90.9	91.2	91.4	91.4	91.7	91.8	91.8	91.8	91.8
≥ 700		61.6	68.1	74.0	84.9	85.4	90.6	91.3	91.7	91.9	91.9	92.1	92.2	92.2	92.2	92.2
≥ 600		61.8	68.3	74.2	85.4	86.0	91.4	92.2	92.6	92.9	93.0	93.2	93.4	93.4	93.4	93.4
≥ 500		61.8	68.3	74.2	85.6	86.1	91.6	92.4	92.8	93.8	94.0	94.3	94.6	94.6	94.6	94.6
≥ 400		61.8	68.3	74.2	85.7	86.2	91.7	93.0	93.3	94.3	94.6	94.9	95.1	95.1	95.1	95.1
≥ 300		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.8	95.1	95.3	95.7	96.0	96.0
≥ 200		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.8	95.1	95.3	96.0	96.3	97.1
≥ 100		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.9	95.2	95.4	96.4	96.8	99.2
≥ 0		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.9	95.2	95.4	96.4	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 950

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		17.5	18.6	19.8	22.1	22.3	23.4	23.8	24.4	24.3	24.3	24.4	24.4	24.5	24.5	24.6
≥ 20000		20.1	21.3	22.6	25.1	25.3	26.5	27.0	27.3	27.6	27.6	27.7	27.7	27.8	27.8	27.9
≥ 18000		20.2	21.5	22.8	25.3	25.5	26.7	27.2	27.5	27.8	27.8	27.8	27.9	27.9	28.0	28.1
≥ 16000		20.3	21.5	22.8	25.3	25.5	26.8	27.2	27.5	27.8	27.8	27.9	27.9	28.0	28.0	28.2
≥ 14000		20.5	21.8	23.1	25.6	25.8	27.0	27.5	27.7	28.1	28.1	28.1	28.2	28.2	28.2	28.4
≥ 12000		20.8	22.2	23.5	26.1	26.3	27.6	28.1	28.4	28.7	28.7	28.8	28.8	28.9	28.9	29.0
≥ 10000		23.0	24.4	25.8	28.5	28.7	30.1	30.6	30.9	31.3	31.3	31.3	31.4	31.4	31.4	31.6
≥ 9000		24.5	26.0	27.6	30.5	30.7	32.1	32.8	33.1	33.4	33.4	33.5	33.5	33.6	33.6	33.7
≥ 8000		29.4	31.1	32.8	36.0	36.2	37.8	38.4	38.8	39.1	39.1	39.2	39.2	39.3	39.3	39.4
≥ 7000		31.4	33.1	35.0	38.1	38.3	40.0	40.7	41.1	41.4	41.5	41.5	41.6	41.6	41.7	41.8
≥ 6000		32.4	34.3	36.1	39.3	39.5	41.3	42.0	42.4	42.8	42.8	42.8	42.9	42.9	43.0	43.1
≥ 5000		35.5	37.7	39.7	43.3	43.5	45.3	46.0	46.4	46.8	46.9	46.9	47.0	47.0	47.1	47.2
≥ 4500		40.6	43.0	45.4	49.5	49.8	51.8	52.5	52.9	53.4	53.4	53.5	53.5	53.6	53.6	53.8
≥ 4000		44.1	46.7	49.2	53.7	54.1	56.3	57.1	57.5	58.0	58.0	58.1	58.1	58.2	58.2	58.4
≥ 3500		48.1	51.0	53.7	58.7	59.2	61.5	62.4	62.9	63.4	63.4	63.5	63.6	63.7	63.7	63.9
≥ 3000		51.6	54.7	57.8	63.4	64.0	66.6	67.6	68.0	68.5	68.6	68.7	68.8	68.9	68.9	69.1
≥ 2500		55.0	58.7	62.5	68.5	69.1	71.8	72.8	73.3	73.9	74.0	74.1	74.2	74.3	74.3	74.5
≥ 2000		57.8	62.2	66.8	74.4	75.1	78.1	79.3	79.8	80.5	80.7	80.8	80.8	80.9	81.0	81.1
≥ 1800		58.3	62.7	67.4	75.2	75.9	79.1	80.3	80.8	81.5	81.7	81.8	81.8	81.9	82.0	82.1
≥ 1500		59.5	64.1	69.0	77.7	78.6	82.1	83.6	84.1	85.0	85.3	85.3	85.4	85.5	85.5	85.7
≥ 1200		60.0	64.8	70.0	79.6	80.7	84.4	86.0	86.6	87.6	87.9	87.9	88.0	88.1	88.1	88.3
≥ 1000		60.1	65.0	70.3	80.6	81.7	85.7	87.4	88.1	89.1	89.4	89.5	89.6	89.7	89.7	89.9
≥ 900		60.2	65.1	70.4	80.9	82.1	86.2	87.9	88.6	89.7	89.9	90.0	90.1	90.2	90.3	90.4
≥ 800		60.2	65.2	70.6	81.6	82.8	87.0	88.8	89.5	90.6	90.9	91.0	91.1	91.3	91.3	91.4
≥ 700		60.2	65.3	70.7	81.9	83.2	87.6	89.6	90.3	91.4	91.7	91.9	92.0	92.1	92.1	92.3
≥ 600		60.3	65.3	70.8	82.2	83.5	88.1	90.1	90.9	92.2	92.6	92.7	92.9	93.0	93.1	93.3
≥ 500		60.3	65.3	70.8	82.4	83.7	88.4	90.7	91.5	93.2	93.7	93.9	94.2	94.3	94.4	94.6
≥ 400		60.3	65.3	70.8	82.4	83.7	88.5	91.0	91.9	93.8	94.4	94.7	95.0	95.2	95.2	95.5
≥ 300		60.3	65.3	70.8	82.4	83.7	88.5	91.3	92.2	94.2	95.0	95.3	95.7	96.2	96.4	96.7
≥ 200		60.3	65.3	70.8	82.4	83.8	88.6	91.3	92.3	94.4	95.2	95.5	95.9	96.6	96.9	98.0
≥ 100		60.3	65.3	70.8	82.4	83.8	88.6	91.3	92.3	94.4	95.2	95.6	96.0	96.8	97.1	99.3
≥ 0		60.3	65.3	70.8	82.4	83.8	88.6	91.3	92.3	94.4	95.2	95.6	96.0	96.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34.46

HEIDELBERG AAF DL

68-70,74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		18.1	20.3	21.5	22.9	22.9	23.0	23.1	23.1	23.4	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000		19.8	22.0	23.2	24.8	24.8	25.3	25.4	25.4	25.7	26.1	26.1	26.1	26.1	26.1	26.2
≥ 18000		19.8	22.0	23.2	24.8	24.8	25.3	25.4	25.4	25.7	26.1	26.1	26.1	26.1	26.1	26.2
≥ 16000		19.8	22.0	23.2	24.8	24.8	25.3	25.4	25.4	25.7	26.1	26.1	26.1	26.1	26.1	26.2
≥ 14000		20.1	22.4	23.5	25.2	25.2	25.6	25.7	25.7	26.0	26.5	26.5	26.5	26.5	26.5	26.6
≥ 12000		20.8	23.0	24.2	25.8	25.8	26.2	26.3	26.3	26.7	27.1	27.1	27.1	27.1	27.1	27.2
≥ 10000		22.5	24.8	26.0	27.6	27.6	28.1	28.2	28.2	28.5	28.9	28.9	28.9	28.9	28.9	29.0
≥ 9000		22.9	25.4	26.6	28.2	28.2	28.6	28.7	28.7	29.0	29.5	29.5	29.5	29.5	29.5	29.6
≥ 8000		27.7	30.5	31.9	34.0	34.0	34.4	34.5	34.5	34.8	35.3	35.3	35.3	35.3	35.3	35.4
≥ 7000		29.1	32.2	33.7	35.9	35.9	36.3	36.5	36.5	36.8	37.2	37.2	37.2	37.2	37.2	37.3
≥ 6000		29.9	32.9	34.4	36.8	36.8	37.3	37.4	37.4	37.7	38.3	38.3	38.5	38.5	38.5	38.6
≥ 5000		32.4	35.5	37.0	39.9	39.9	40.4	40.5	40.5	40.9	41.4	41.4	41.6	41.6	41.6	41.7
≥ 4500		37.5	40.9	42.7	45.8	45.8	46.5	46.6	46.6	46.9	47.4	47.4	47.6	47.6	47.6	47.7
≥ 4000		41.8	45.3	47.1	50.5	50.8	51.5	51.7	51.7	52.0	52.6	52.6	52.8	52.9	52.9	53.0
≥ 3500		45.7	49.7	51.8	55.5	55.7	56.6	57.1	57.3	57.6	58.2	58.2	58.4	58.5	58.5	58.6
≥ 3000		49.1	53.8	56.2	60.4	60.6	61.6	62.3	62.5	63.0	63.5	63.5	63.8	63.9	63.9	64.0
≥ 2500		52.4	58.0	61.1	66.6	66.9	68.8	69.5	69.7	70.2	70.8	70.8	71.0	71.1	71.1	71.2
≥ 2000		55.9	62.0	65.5	71.9	72.3	74.3	75.2	75.5	76.1	76.9	76.9	77.1	77.2	77.2	77.3
≥ 1800		56.8	63.1	66.6	73.1	73.4	75.5	76.5	76.8	77.6	78.4	78.4	78.6	78.7	78.7	78.8
≥ 1500		57.6	64.4	68.3	75.6	76.0	78.7	79.9	80.2	81.1	81.8	81.8	82.0	82.2	82.2	82.3
≥ 1200		59.0	66.2	70.8	78.1	78.5	81.6	82.9	83.2	84.1	84.8	84.8	85.1	85.2	85.2	85.3
≥ 1000		59.5	66.8	71.7	81.2	81.6	85.3	86.6	87.0	88.0	88.7	88.7	88.9	89.0	89.0	89.1
≥ 900		59.8	67.4	72.4	81.9	82.4	86.0	87.3	87.7	88.7	89.5	89.5	89.7	89.8	89.8	89.9
≥ 800		60.3	68.0	73.0	82.9	83.4	87.6	88.9	89.5	90.4	91.2	91.2	91.4	91.5	91.5	91.6
≥ 700		60.3	68.2	73.2	83.4	84.0	88.6	90.1	90.6	91.7	92.5	92.5	92.7	92.8	92.8	92.9
≥ 600		60.4	68.3	73.3	83.7	84.2	89.0	90.6	91.2	92.3	93.0	93.0	93.2	93.3	93.3	93.4
≥ 500		60.4	68.3	73.4	84.6	85.3	90.2	92.3	92.8	93.9	94.9	94.9	95.2	95.4	95.4	95.5
≥ 400		60.4	68.3	73.4	84.7	85.4	90.3	92.7	93.3	94.4	95.5	95.5	95.8	96.0	96.1	96.5
≥ 300		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.1	96.2	96.3	96.8	97.3	97.4	98.2
≥ 200		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.2	96.3	96.6	97.0	97.5	97.6	98.8
≥ 100		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.3	96.5	96.8	97.4	98.0	98.1	99.9
≥ 0		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.3	96.5	96.8	97.4	98.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		17.7	19.1	21.0	22.2	22.2	22.7	22.8	22.8	23.0	23.0	23.0	23.0	23.0	23.2	23.2
≥ 20000		18.9	20.5	22.5	24.3	24.3	24.9	25.1	25.1	25.3	25.3	25.3	25.4	25.5	25.7	25.7
≥ 18000		18.9	20.6	22.6	24.4	24.4	25.1	25.2	25.2	25.4	25.4	25.4	25.5	25.6	25.8	25.8
≥ 16000		19.0	20.8	22.7	24.5	24.5	25.2	25.3	25.3	25.5	25.5	25.5	25.6	25.7	25.9	25.9
≥ 14000		19.4	21.1	23.0	24.8	24.8	25.5	25.6	25.6	25.8	25.8	25.8	25.9	26.0	26.2	26.2
≥ 12000		20.1	21.9	24.0	25.8	25.8	26.5	26.6	26.6	26.8	26.8	26.8	26.9	27.0	27.2	27.2
≥ 10000		21.4	23.3	25.4	27.2	27.2	27.8	28.0	28.0	28.2	28.2	28.2	28.3	28.4	28.6	28.6
≥ 9000		22.2	24.2	26.5	28.3	28.3	28.9	29.1	29.1	29.4	29.4	29.4	29.5	29.6	29.8	29.8
≥ 8000		26.2	28.4	30.8	32.8	32.8	33.4	33.7	33.7	33.9	33.9	33.9	34.0	34.1	34.3	34.3
≥ 7000		27.4	29.6	32.0	34.1	34.1	34.7	34.9	34.9	35.2	35.2	35.2	35.3	35.4	35.6	35.6
≥ 6000		28.6	30.8	33.2	35.3	35.3	36.2	36.5	36.5	36.7	36.7	36.7	37.1	37.2	37.4	37.4
≥ 5000		31.7	33.9	36.3	38.9	39.0	40.0	40.2	40.2	40.5	40.5	40.5	41.0	41.3	41.5	41.5
≥ 4500		36.5	39.5	42.0	44.9	45.1	46.2	46.5	46.5	46.8	46.8	46.8	47.2	47.5	47.7	47.7
≥ 4000		38.9	42.5	45.2	48.6	48.8	50.0	50.3	50.3	50.6	50.6	50.6	51.1	51.4	51.6	51.6
≥ 3500		43.9	48.1	51.0	54.7	54.9	56.8	57.1	57.1	57.4	57.4	57.4	57.8	58.2	58.4	58.4
≥ 3000		47.0	52.2	55.2	59.2	59.5	61.4	61.7	61.7	62.2	62.2	62.2	62.6	62.9	63.1	63.1
≥ 2500		50.5	56.2	59.7	64.9	65.2	67.8	68.2	68.2	68.6	68.6	68.6	69.0	69.4	69.6	69.6
≥ 2000		54.5	61.6	65.4	71.1	71.3	74.2	74.7	74.7	75.2	75.2	75.2	75.6	75.9	76.1	76.1
≥ 1800		55.3	62.5	66.3	72.3	72.5	75.6	76.1	76.1	76.6	76.7	76.7	77.1	77.4	77.6	77.6
≥ 1500		56.1	63.3	67.8	74.5	74.7	78.8	79.4	79.4	79.8	80.0	80.0	80.4	80.8	81.0	81.0
≥ 1200		57.5	65.2	71.1	78.2	78.4	82.9	83.8	83.8	84.2	84.5	84.5	84.9	85.4	85.6	85.6
≥ 1000		58.2	66.3	72.8	81.1	81.3	86.1	87.2	87.2	87.6	88.0	88.0	88.4	88.8	89.0	89.0
≥ 900		58.5	67.0	73.4	81.9	82.2	87.1	88.2	88.2	88.7	89.0	89.0	89.5	89.9	90.2	90.2
≥ 800		58.7	67.2	73.9	82.6	82.8	88.1	89.1	89.1	89.7	90.0	90.0	90.4	90.9	91.2	91.2
≥ 700		58.7	67.5	74.2	82.9	83.1	88.8	90.0	90.0	90.6	91.0	91.0	91.4	91.8	92.2	92.2
≥ 600		58.7	67.5	74.2	83.0	83.2	89.4	90.6	90.6	91.3	91.6	91.6	92.0	92.5	92.8	93.0
≥ 500		58.7	67.5	74.2	84.1	84.3	90.6	92.2	92.3	93.0	93.3	93.5	94.0	94.4	94.7	95.1
≥ 400		58.7	67.5	74.2	84.1	84.3	90.6	92.4	92.5	93.3	93.7	94.0	94.4	94.9	95.4	95.9
≥ 300		58.7	67.5	74.2	84.1	84.3	90.8	92.9	93.0	94.1	94.4	94.9	95.5	96.3	96.8	97.4
≥ 200		58.9	67.7	74.4	84.3	84.5	91.0	93.2	93.3	94.7	95.1	95.6	96.1	97.0	97.5	98.6
≥ 100		58.9	67.7	74.4	84.3	84.5	91.0	93.2	93.3	94.8	95.2	95.7	96.3	97.2	98.0	99.7
≥ 0		58.9	67.7	74.4	84.3	84.5	91.0	93.2	93.3	94.8	95.2	95.8	96.5	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		15.2	16.1	17.5	19.0	19.0	20.0	20.0	20.2	20.3	20.3	20.3	20.3	20.5	20.6	20.8
≥ 20000		16.3	17.3	19.0	20.8	20.8	21.7	21.7	21.9	22.0	22.0	22.0	22.0	22.4	22.6	22.7
≥ 18000		16.5	17.4	19.1	20.9	20.9	21.8	21.8	22.0	22.2	22.2	22.2	22.2	22.5	22.7	22.8
≥ 16000		16.5	17.4	19.1	20.9	20.9	21.8	21.8	22.0	22.2	22.2	22.2	22.2	22.5	22.7	22.8
≥ 14000		16.7	17.6	19.4	21.1	21.1	22.0	22.0	22.3	22.4	22.4	22.4	22.4	22.7	22.9	23.0
≥ 12000		17.0	18.0	19.9	21.6	21.6	22.6	22.6	22.8	22.9	22.9	22.9	22.9	23.2	23.4	23.5
≥ 10000		18.8	20.0	22.0	23.9	23.9	24.8	24.8	25.1	25.2	25.3	25.3	25.3	25.6	25.8	25.9
≥ 9000		19.5	20.6	22.7	24.5	24.5	25.5	25.5	25.7	25.8	25.9	25.9	25.9	26.2	26.5	26.6
≥ 8000		23.4	25.1	27.1	29.0	29.0	30.1	30.1	30.3	30.4	30.5	30.5	30.5	30.9	31.1	31.2
≥ 7000		24.6	26.6	28.8	31.1	31.1	32.4	32.4	32.6	32.7	32.8	32.8	32.8	33.1	33.3	33.4
≥ 6000		25.5	27.6	29.9	32.3	32.3	34.0	34.0	34.2	34.4	34.6	34.6	34.6	34.9	35.2	35.3
≥ 5000		27.6	30.2	32.6	35.1	35.3	37.0	37.1	37.3	37.5	37.7	37.7	37.7	38.1	38.4	38.5
≥ 4500		33.9	37.1	39.8	42.5	42.7	44.4	44.5	44.7	45.1	45.3	45.3	45.3	45.8	46.1	46.2
≥ 4000		37.5	41.1	43.8	47.2	47.5	49.5	49.6	49.9	50.3	50.5	50.5	50.5	51.1	51.4	51.5
≥ 3500		42.4	46.0	49.0	52.8	53.2	55.6	56.0	56.3	56.8	57.0	57.0	57.0	57.5	57.8	58.0
≥ 3000		45.7	49.7	52.8	57.0	57.4	59.9	60.3	60.6	61.1	61.3	61.4	61.4	61.9	62.3	62.4
≥ 2500		50.0	54.3	57.6	62.4	62.8	65.6	66.0	66.5	67.0	67.2	67.3	67.3	68.0	68.3	68.4
≥ 2000		53.2	58.1	61.6	67.6	68.1	71.4	71.9	72.5	73.0	73.3	73.4	73.5	74.3	74.6	74.7
≥ 1800		54.4	59.4	63.1	69.5	69.9	73.3	74.2	74.7	75.4	75.7	75.8	75.9	76.7	77.0	77.1
≥ 1500		55.4	60.6	64.9	72.3	72.7	76.7	78.0	78.5	79.2	79.6	79.7	79.8	80.5	80.9	81.0
≥ 1200		56.6	62.3	67.8	75.4	75.8	80.1	81.9	82.5	83.3	83.9	84.0	84.1	84.9	85.4	85.5
≥ 1000		57.2	63.3	69.2	77.5	78.0	82.4	84.2	84.7	85.6	86.1	86.2	86.3	87.2	87.6	87.7
≥ 900		57.4	64.1	70.2	78.7	79.1	83.7	85.5	86.0	86.9	87.4	87.5	87.6	88.5	88.9	89.0
≥ 800		57.8	64.5	70.6	79.5	79.9	84.5	86.5	87.0	87.8	88.4	88.5	88.6	89.5	89.9	90.0
≥ 700		58.3	64.9	71.2	80.2	80.6	85.4	87.6	88.2	89.0	89.6	89.7	89.8	90.8	91.2	91.3
≥ 600		58.4	65.3	71.7	81.0	81.4	86.2	88.5	89.0	89.9	90.4	90.5	90.6	91.6	92.0	92.2
≥ 500		58.4	65.3	72.0	81.4	81.9	87.1	89.7	90.3	91.4	91.9	92.2	92.3	93.2	93.7	93.8
≥ 400		58.4	65.3	72.0	81.5	82.0	87.6	90.5	91.3	92.8	93.4	93.7	93.8	94.9	95.4	95.5
≥ 300		58.4	65.3	72.0	81.5	82.0	87.6	90.8	91.5	93.3	94.0	94.4	94.9	96.3	96.8	97.0
≥ 200		58.4	65.3	72.0	81.5	82.0	87.6	90.8	91.6	93.4	94.2	94.6	95.2	96.7	97.2	98.0
≥ 100		53.4	65.3	72.0	81.5	82.0	87.6	90.8	91.6	93.5	94.3	94.7	95.5	97.1	97.8	99.6
≥ 0		58.4	65.3	72.0	81.5	82.0	87.6	90.8	91.6	93.5	94.3	94.7	95.5	97.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000		13.0	15.4	16.3	18.1	18.1	18.9	19.4	19.5	20.2	20.3	20.3	20.3	20.4	20.4	21.0
≥ 18000 ≥ 16000		14.0	16.7	17.8	19.9	19.9	20.9	21.3	21.5	22.4	22.5	22.5	22.5	22.6	22.6	23.1
≥ 14000 ≥ 12000		14.0	16.7	17.8	19.9	19.9	20.9	21.4	21.6	22.5	22.6	22.6	22.6	22.7	22.7	23.2
≥ 10000 ≥ 9000		14.2	16.9	18.1	20.1	20.1	21.1	21.6	21.8	22.7	22.8	22.8	22.8	22.9	22.9	23.4
≥ 8000 ≥ 7000		15.1	17.7	19.0	21.1	21.1	22.0	22.6	22.8	23.7	23.8	23.8	23.8	23.9	23.9	24.4
≥ 6000 ≥ 5000		17.4	20.1	21.5	23.5	23.5	24.5	25.1	25.4	26.2	26.3	26.3	26.3	26.5	26.5	27.0
≥ 4500 ≥ 4000		17.7	20.4	21.9	24.1	24.1	25.1	25.6	25.9	26.9	27.0	27.0	27.0	27.1	27.1	27.6
≥ 3500 ≥ 3000		21.9	24.8	26.3	28.9	28.9	29.9	30.4	30.8	31.7	31.8	31.8	31.8	31.9	31.9	32.5
≥ 2500 ≥ 2000		23.3	26.5	28.0	30.6	30.6	31.7	32.4	32.8	33.9	34.0	34.0	34.0	34.1	34.1	34.6
≥ 1800 ≥ 1500		24.3	27.4	29.1	31.9	31.9	33.0	33.9	34.5	35.6	35.7	35.7	35.7	35.8	35.8	36.3
≥ 1200 ≥ 1000		25.7	29.2	31.0	34.1	34.1	35.2	36.1	36.8	37.8	38.0	38.1	38.1	38.2	38.2	38.8
≥ 900 ≥ 800		30.4	34.1	36.1	40.1	40.2	41.6	42.8	43.4	44.5	44.6	44.7	44.7	44.8	44.8	45.5
≥ 700 ≥ 600		34.5	38.5	40.5	45.1	45.2	46.8	48.2	48.8	50.1	50.2	50.3	50.3	50.4	50.4	51.1
≥ 500 ≥ 400		38.3	42.8	45.1	50.1	50.2	52.0	53.7	54.3	55.6	55.7	55.9	55.9	56.0	56.0	56.7
≥ 300 ≥ 200		41.4	46.0	48.5	54.0	54.1	56.2	58.2	58.8	60.4	60.5	60.8	60.9	61.0	61.0	61.6
≥ 100 ≥ 0		44.6	49.7	52.5	59.1	59.4	61.9	64.2	64.9	66.6	66.7	66.9	67.0	67.1	67.1	67.7
		47.3	52.5	55.4	63.4	63.7	67.4	70.0	71.1	73.2	73.4	73.7	73.8	74.0	74.0	74.6
		47.4	52.7	55.6	64.3	64.5	68.3	71.0	72.0	74.4	74.7	74.9	75.2	75.4	75.4	76.1
		48.7	54.5	57.5	67.2	67.4	71.7	74.8	76.0	78.7	79.0	79.2	79.5	79.7	79.7	80.3
		49.6	55.7	59.1	70.2	70.4	75.4	78.7	79.9	82.6	82.9	83.1	83.3	83.5	83.5	84.2
		50.0	56.6	60.2	72.5	72.8	78.2	81.6	82.9	85.8	86.2	86.5	86.7	86.9	86.9	87.5
		50.1	56.8	60.4	73.3	73.7	79.2	82.7	84.0	87.0	87.4	87.6	87.8	88.1	88.2	88.8
		50.4	57.1	60.8	73.7	74.3	80.2	83.7	84.9	88.3	88.8	89.0	89.4	89.7	89.9	90.5
		50.4	57.4	61.4	74.9	75.7	81.9	86.1	87.5	91.1	91.6	91.8	92.2	92.5	92.7	93.3
		50.4	57.6	61.6	75.8	76.6	82.9	87.3	88.7	92.3	92.8	93.0	93.3	93.7	93.9	94.5
		50.4	57.6	61.6	76.2	77.0	83.4	87.8	89.5	93.1	93.9	94.1	94.4	94.8	95.1	95.7
		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.0	94.7	94.9	95.3	95.8	96.0	96.7
		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.3	96.9	97.1	97.7
		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.5	97.2	97.6	98.5
		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.5	97.3	98.0	99.7
		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.5	97.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		15.1	16.1	17.2	19.2	19.2	19.9	21.0	21.4	22.2	22.3	22.3	22.3	22.3	22.3	22.3
≥ 20000		17.4	18.6	19.9	22.5	22.5	23.4	24.5	24.9	25.7	25.8	25.9	25.9	26.1	26.1	26.1
≥ 18000		17.6	18.8	20.1	22.7	22.7	23.7	24.7	25.2	25.9	26.0	26.1	26.1	26.3	26.3	26.3
≥ 16000		17.6	18.8	20.1	22.7	22.7	23.7	24.7	25.2	25.9	26.0	26.1	26.1	26.3	26.3	26.3
≥ 14000		17.6	18.8	20.1	22.8	22.8	23.8	24.8	25.3	26.0	26.1	26.2	26.2	26.5	26.5	26.5
≥ 12000		18.7	19.9	21.2	24.3	24.3	25.3	26.3	26.8	27.5	27.6	27.7	27.7	28.0	28.0	28.0
≥ 10000		20.1	21.4	22.9	26.1	26.1	27.2	28.3	28.7	29.5	29.6	29.7	29.7	29.9	29.9	29.9
≥ 9000		20.9	22.3	23.8	27.0	27.0	28.1	29.1	29.6	30.3	30.4	30.5	30.5	30.8	30.8	30.8
≥ 8000		24.2	26.0	27.8	31.4	31.4	32.9	34.0	34.5	35.3	35.4	35.5	35.5	35.7	35.7	35.7
≥ 7000		25.1	27.0	28.9	32.6	32.6	34.1	35.2	35.7	36.8	36.9	37.0	37.0	37.2	37.2	37.2
≥ 6000		25.7	27.6	29.7	33.3	33.3	34.8	35.9	36.5	37.5	37.6	37.7	37.7	38.0	38.0	38.0
≥ 5000		28.5	30.9	33.0	36.7	36.7	38.2	39.2	39.8	40.9	41.0	41.1	41.1	41.3	41.3	41.3
≥ 4500		32.4	34.8	37.3	41.9	41.9	43.5	45.1	45.6	46.7	46.8	46.9	46.9	47.1	47.1	47.1
≥ 4000		36.5	39.6	42.2	47.6	47.6	49.6	51.4	52.0	53.1	53.2	53.3	53.3	53.5	53.5	53.5
≥ 3500		40.1	43.4	46.2	52.4	52.5	54.5	56.6	57.4	58.5	58.6	58.7	58.7	58.9	58.9	58.9
≥ 3000		44.1	47.7	50.9	57.3	57.4	59.7	61.7	62.6	63.8	63.9	64.0	64.0	64.2	64.2	64.2
≥ 2500		47.1	51.3	54.7	62.2	62.3	64.8	67.2	68.2	69.7	69.9	70.1	70.1	70.3	70.3	70.3
≥ 2000		49.0	53.5	57.2	66.5	66.6	70.0	72.9	73.9	75.8	76.1	76.3	76.3	76.6	76.6	76.6
≥ 1800		49.6	54.1	58.0	67.6	67.8	71.4	74.3	75.3	77.2	77.5	77.7	77.7	78.0	78.0	78.0
≥ 1500		51.3	56.5	60.6	71.1	71.3	75.5	78.6	79.6	81.6	81.9	82.2	82.2	82.4	82.4	82.4
≥ 1200		52.4	58.1	62.9	75.4	75.7	80.4	83.7	84.6	87.0	87.4	87.6	87.6	87.8	87.8	87.8
≥ 1000		52.7	58.7	63.7	77.1	77.5	82.8	86.3	87.3	89.9	90.4	90.6	90.6	90.9	90.9	90.9
≥ 900		52.7	58.7	63.9	77.6	78.1	83.4	87.0	88.0	90.5	91.1	91.3	91.3	91.5	91.5	91.5
≥ 800		53.0	59.1	64.3	78.8	79.4	84.7	88.8	89.8	92.6	93.2	93.5	93.5	93.8	94.0	94.0
≥ 700		53.0	59.1	64.3	79.2	79.9	85.3	89.4	90.3	93.2	93.9	94.2	94.2	94.4	94.7	94.7
≥ 600		53.1	59.1	64.5	79.7	80.4	86.2	90.4	91.5	94.6	95.3	95.6	95.6	95.8	96.1	96.1
≥ 500		53.1	59.1	64.5	79.8	80.6	86.6	91.0	92.0	95.3	96.2	96.7	96.7	96.9	97.2	97.2
≥ 400		53.2	59.2	64.6	79.9	80.8	86.7	91.1	92.2	95.4	96.3	96.8	96.8	97.0	97.3	97.3
≥ 300		53.2	59.2	64.6	79.9	80.8	86.7	91.1	92.2	95.5	96.6	97.3	97.8	98.1	98.6	98.6
≥ 200		53.2	59.2	64.6	79.9	80.8	86.7	91.1	92.2	95.5	96.6	97.3	97.8	98.2	98.7	99.0
≥ 100		53.2	59.2	64.6	80.0	80.9	86.8	91.2	92.3	95.6	96.9	97.6	98.2	98.5	99.0	100.0
≥ 0		53.2	59.2	64.6	80.0	80.9	86.8	91.2	92.3	95.6	96.9	97.6	98.2	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

93

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70, 74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING		17.1	18.8	19.9	21.7	21.7	23.1	23.7	23.9	24.0	24.2	24.3	24.3	24.4	24.5	24.5
≥ 20000		19.2	21.6	22.9	25.1	25.1	26.5	27.0	27.2	27.3	27.6	27.7	27.7	28.0	28.1	28.1
≥ 18000		19.2	21.6	22.9	25.1	25.1	26.5	27.0	27.2	27.3	27.6	27.7	27.7	28.0	28.1	28.1
≥ 16000		19.2	21.6	22.9	25.1	25.1	26.5	27.0	27.2	27.3	27.6	27.7	27.7	28.0	28.1	28.1
≥ 14000		19.8	22.4	23.7	25.8	25.8	27.2	27.7	28.0	28.1	28.4	28.5	28.5	28.7	28.8	28.8
≥ 12000		20.6	23.3	24.8	27.5	27.5	28.9	29.5	29.7	29.8	30.1	30.2	30.2	30.4	30.5	30.5
≥ 10000		21.9	24.6	26.2	29.2	29.2	30.9	31.5	31.7	31.8	32.2	32.3	32.3	32.5	32.6	32.6
≥ 9000		22.9	25.6	27.4	30.4	30.4	32.0	32.7	32.9	33.0	33.3	33.4	33.4	33.7	33.8	33.8
≥ 8000		24.8	27.8	30.0	33.1	33.1	34.9	35.6	35.8	35.9	36.2	36.3	36.3	36.6	36.7	36.7
≥ 7000		25.9	29.2	31.5	34.6	34.6	36.5	37.1	37.4	37.7	38.1	38.2	38.2	38.4	38.5	38.5
≥ 6000		26.6	29.9	32.2	35.4	35.5	37.5	38.2	38.5	38.8	39.1	39.2	39.2	39.5	39.6	39.6
≥ 5000		29.2	32.9	35.3	38.6	38.8	41.1	41.8	42.2	42.5	42.8	42.9	42.9	43.1	43.2	43.2
≥ 4500		34.1	38.1	40.5	44.2	44.4	46.7	47.6	48.0	48.3	48.6	48.7	48.7	48.9	49.0	49.0
≥ 4000		39.2	43.3	46.0	50.6	50.9	53.3	54.6	55.1	55.4	55.7	55.8	55.8	56.0	56.1	56.1
≥ 3500		42.5	46.7	49.8	55.1	55.3	57.8	59.4	59.9	60.2	60.5	60.6	60.6	60.9	61.0	61.0
≥ 3000		45.5	50.4	54.1	59.8	60.0	62.6	64.2	64.7	65.1	65.4	65.5	65.5	65.7	65.8	65.8
≥ 2500		48.2	53.7	58.0	64.7	65.1	67.7	69.5	70.0	70.8	71.1	71.2	71.2	71.4	71.5	71.5
≥ 2000		51.7	58.2	62.8	71.3	71.8	74.8	77.3	78.0	79.7	80.0	80.1	80.1	80.3	80.4	80.4
≥ 1800		51.9	58.5	63.1	72.2	72.7	76.0	78.9	79.6	81.3	81.6	81.7	81.7	81.9	82.0	82.0
≥ 1500		53.0	59.9	65.1	74.6	75.2	78.7	82.0	82.7	84.7	85.2	85.3	85.3	85.5	85.6	85.6
≥ 1200		53.8	61.1	66.6	77.4	78.0	82.4	86.2	86.9	88.9	89.5	89.6	89.6	89.8	89.9	89.9
≥ 1000		54.2	61.7	67.7	78.9	79.7	84.6	88.8	89.5	91.6	92.4	92.5	92.6	92.8	92.9	92.9
≥ 900		54.2	61.7	68.0	79.6	80.3	85.6	89.9	90.5	92.7	93.5	93.7	93.8	94.0	94.1	94.1
≥ 800		54.3	61.8	68.2	80.4	81.3	86.6	90.9	91.7	93.9	94.7	94.8	95.2	95.4	95.5	95.5
≥ 700		54.3	61.8	68.2	80.5	81.5	87.0	91.3	92.4	94.5	95.4	95.5	95.8	96.0	96.1	96.5
≥ 600		54.3	61.8	68.2	80.8	81.8	87.4	91.8	93.0	95.2	96.0	96.1	96.5	96.7	96.8	97.1
≥ 500		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	96.8	96.9	97.2	97.4	97.5	97.8
≥ 400		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	96.9	97.0	97.4	97.8	98.0	98.1
≥ 300		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	96.9	97.4	97.8	98.4	98.6	99.0
≥ 200		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	97.0	97.5	98.1	98.9	99.2	99.8
≥ 100		54.3	61.8	68.3	81.0	82.0	87.7	92.4	93.5	96.0	97.1	97.6	98.2	99.0	99.4	100.0
≥ 0		54.3	61.8	68.3	81.0	82.0	87.7	92.4	93.5	96.0	97.1	97.6	98.2	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		19.6	21.5	22.6	25.4	25.4	26.8	26.9	27.0	27.1	27.2	27.5	27.5	27.6	27.6	27.6
≥ 2000		21.2	23.5	24.6	27.4	27.4	28.8	28.9	29.0	29.1	29.2	29.6	29.6	29.7	29.7	29.7
≥ 1800		21.3	23.7	24.7	27.5	27.5	28.9	29.0	29.1	29.2	29.4	29.7	29.7	29.8	29.8	29.8
≥ 1600		21.3	23.7	24.7	27.5	27.5	28.9	29.0	29.1	29.2	29.4	29.7	29.7	29.8	29.8	29.8
≥ 1400		21.8	24.2	25.3	28.1	28.1	29.5	29.6	29.7	29.8	29.9	30.2	30.2	30.3	30.3	30.3
≥ 1200		22.3	24.6	25.7	28.6	28.6	30.0	30.1	30.2	30.3	30.4	30.8	30.8	30.9	30.9	30.9
≥ 1000		23.3	26.0	27.4	30.8	30.8	32.2	32.3	32.4	32.5	32.6	32.9	32.9	33.0	33.0	33.0
≥ 900		23.9	26.5	27.8	31.3	31.3	32.7	32.8	32.9	33.0	33.1	33.4	33.4	33.5	33.5	33.5
≥ 800		26.9	29.6	31.1	34.6	34.6	36.1	36.2	36.3	36.7	36.8	37.1	37.1	37.2	37.2	37.2
≥ 700		28.0	30.6	32.5	36.0	36.0	37.5	38.1	38.3	38.6	38.7	39.0	39.0	39.2	39.2	39.2
≥ 600		28.3	31.0	32.8	36.3	36.3	37.8	38.7	38.9	39.2	39.4	39.7	39.7	39.9	39.9	39.9
≥ 500		30.4	33.2	35.3	39.8	39.8	41.5	42.4	42.6	42.9	43.0	43.3	43.3	43.5	43.5	43.5
≥ 450		34.1	36.9	39.0	43.8	43.8	45.5	46.3	46.6	46.9	47.0	47.3	47.3	47.5	47.5	47.5
≥ 400		38.2	41.2	43.7	49.0	49.0	50.8	51.7	51.9	52.4	52.5	52.8	52.8	53.0	53.0	53.0
≥ 350		44.2	47.3	50.1	56.6	56.7	58.4	59.4	59.7	60.2	60.3	60.6	60.6	60.9	60.9	60.9
≥ 300		45.5	49.7	52.9	59.5	59.7	61.4	62.5	62.8	63.3	63.4	63.9	63.9	64.1	64.1	64.1
≥ 250		51.2	55.8	59.4	66.7	67.1	69.5	70.8	71.1	71.6	71.7	72.2	72.2	72.4	72.4	72.4
≥ 200		55.3	61.7	65.7	74.6	75.2	78.2	79.8	80.1	81.0	81.1	81.5	81.5	81.7	81.7	81.7
≥ 180		56.1	62.2	66.1	75.7	76.3	79.6	81.3	81.6	82.5	82.6	83.0	83.0	83.2	83.2	83.2
≥ 150		57.0	63.1	67.4	77.4	78.3	81.7	83.4	83.8	84.8	85.1	85.5	85.5	85.7	85.7	85.7
≥ 120		57.8	64.3	68.8	80.5	81.5	85.3	87.3	87.6	88.9	89.2	89.7	89.7	89.9	89.9	89.9
≥ 100		57.8	64.4	69.1	81.6	82.6	87.0	89.1	89.5	91.0	91.3	91.7	91.7	91.9	91.9	91.9
≥ 90		57.8	64.4	69.2	82.3	83.2	87.7	90.0	90.3	91.9	92.3	92.7	92.7	92.9	92.9	92.9
≥ 80		58.0	64.5	69.7	83.3	84.3	89.2	91.5	91.8	93.5	93.9	94.4	94.4	94.6	94.6	94.6
≥ 70		58.0	64.7	70.2	84.5	85.5	90.9	93.1	93.4	95.5	95.8	96.3	96.3	96.6	96.7	96.8
≥ 60		58.0	64.7	70.2	84.7	85.7	91.1	93.3	93.7	95.8	96.1	96.7	96.7	96.9	97.0	97.1
≥ 50		58.1	64.8	70.3	84.8	85.8	91.3	93.7	94.0	96.2	96.6	97.1	97.3	97.5	97.6	97.7
≥ 40		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.3	96.8	97.3	97.6	98.0	98.1	98.3
≥ 30		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.5	97.1	97.7	98.2	98.8	98.9	99.1
≥ 20		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.8	97.5	98.2	98.9	99.6	99.8	100.0
≥ 100		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.8	97.5	98.2	98.9	99.6	99.8	100.0
≥ 0		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.8	97.5	98.2	98.9	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 936

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-87

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		18.4	21.1	21.2	23.4	23.4	24.3	24.4	24.4	24.8	24.9	25.1	25.3	25.6	25.6	26.1
≥ 20000		20.2	21.9	23.0	25.6	25.6	26.5	26.6	26.6	27.0	27.1	27.2	27.4	27.7	27.7	28.3
≥ 18000		20.4	22.2	23.2	25.8	25.8	26.7	26.8	26.8	27.2	27.3	27.4	27.6	28.0	28.0	28.5
≥ 16000		20.5	22.3	23.3	25.9	25.9	26.8	26.9	26.9	27.3	27.4	27.5	27.7	28.1	28.1	28.6
≥ 14000		20.9	22.6	23.7	26.2	26.2	27.1	27.2	27.2	27.6	27.7	27.8	28.1	28.4	28.4	28.9
≥ 12000		21.4	23.1	24.2	26.8	26.8	27.6	27.7	27.7	28.2	28.3	28.4	28.6	28.9	28.9	29.5
≥ 10000		22.3	24.1	25.2	27.8	27.8	28.7	28.8	28.8	29.2	29.4	29.5	29.7	30.0	30.0	30.5
≥ 9000		22.7	24.6	25.7	28.7	28.7	29.6	29.7	29.7	30.1	30.2	30.3	30.5	30.9	30.9	31.4
≥ 8000		25.9	27.8	29.1	32.7	32.7	33.9	34.1	34.1	34.7	34.8	34.9	35.2	35.5	35.5	36.0
≥ 7000		26.5	28.7	30.4	34.0	34.0	35.3	35.6	35.6	36.2	36.3	36.5	36.7	37.0	37.0	37.5
≥ 6000		26.9	29.1	30.9	34.4	34.4	35.7	36.2	36.2	37.0	37.1	37.2	37.4	37.7	37.7	38.3
≥ 5000		29.5	31.8	33.8	37.6	37.6	38.9	39.5	39.5	40.3	40.4	40.5	40.8	41.1	41.1	41.6
≥ 4500		34.2	36.6	38.6	42.8	42.8	44.1	44.6	44.6	45.5	45.6	45.7	45.9	46.2	46.2	46.8
≥ 4000		38.6	41.1	43.4	48.5	48.5	49.9	50.4	50.4	51.4	51.5	51.6	51.8	52.2	52.2	52.7
≥ 3500		43.1	45.7	48.8	54.4	54.4	55.8	56.6	56.6	57.5	57.6	57.7	58.0	58.3	58.3	58.8
≥ 3000		46.2	49.2	52.7	58.6	58.6	61.2	61.2	61.2	62.2	62.3	62.4	62.6	62.9	62.9	63.4
≥ 2500		51.3	54.6	58.1	64.9	64.9	67.2	68.5	68.5	69.6	69.7	69.8	70.0	70.3	70.3	70.9
≥ 2000		54.5	58.2	63.7	71.9	71.9	74.9	76.5	76.5	77.6	77.7	77.8	78.1	78.4	78.4	78.9
≥ 1800		54.9	60.1	64.6	73.0	73.1	76.3	77.8	77.8	79.2	79.4	79.5	79.7	80.0	80.0	80.5
≥ 1500		56.2	61.4	66.3	75.3	75.4	79.4	80.9	80.9	82.3	82.4	82.5	82.7	83.0	83.0	83.5
≥ 1200		57.5	63.0	68.3	77.8	78.0	82.0	83.9	83.9	85.3	85.4	85.5	85.7	86.0	86.0	86.6
≥ 1000		58.1	63.7	69.1	80.3	80.4	85.2	87.1	87.1	88.7	88.9	89.0	89.2	89.6	89.6	90.1
≥ 900		58.2	64.1	70.0	81.7	81.8	86.6	88.6	88.7	90.3	90.5	90.6	90.9	91.2	91.2	91.7
≥ 800		58.2	64.1	70.1	82.0	82.2	86.9	89.5	89.7	91.5	91.7	91.8	92.0	92.4	92.4	92.9
≥ 700		58.2	64.3	70.3	83.0	83.1	88.5	91.2	91.4	93.5	93.8	93.9	94.1	94.4	94.4	94.9
≥ 600		58.2	64.3	70.3	83.1	83.2	88.9	91.7	91.9	94.1	94.4	94.5	94.7	95.1	95.1	95.6
≥ 500		58.2	64.3	70.3	83.4	83.5	89.9	92.7	93.0	95.3	95.7	95.8	96.1	96.5	96.5	97.3
≥ 400		58.2	64.3	70.3	83.4	83.5	89.9	92.7	93.0	95.3	96.0	96.2	96.6	97.0	97.0	98.0
≥ 300		58.2	64.3	70.3	83.4	83.5	89.9	92.8	93.1	95.7	96.5	96.7	97.1	97.7	98.0	99.2
≥ 200		58.2	64.3	70.3	83.4	83.5	89.9	92.8	93.1	95.8	96.6	96.8	97.3	98.0	98.2	99.6
≥ 100		58.3	64.4	70.4	83.5	83.7	90.0	92.9	93.2	95.9	96.7	96.9	97.4	98.3	98.5	100.0
≥ 0		58.3	64.4	70.4	83.5	83.7	90.0	92.9	93.2	95.9	96.7	96.9	97.4	98.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		16.6	18.4	19.7	21.5	21.5	22.3	22.6	22.8	23.1	23.3	23.3	23.4	23.5	23.5	23.7
≥ 20000		18.4	20.3	21.6	23.8	23.8	24.7	25.1	25.2	25.6	25.7	25.8	25.8	26.0	26.1	26.2
≥ 18000		18.5	20.4	21.7	23.9	23.9	24.8	25.2	25.3	25.7	25.8	25.9	25.9	26.1	26.2	26.3
≥ 16000		18.5	20.4	21.7	23.9	23.9	24.9	25.2	25.3	25.7	25.8	25.9	26.0	26.1	26.2	26.4
≥ 14000		18.8	20.7	22.1	24.3	24.3	25.2	25.5	25.7	26.0	26.2	26.3	26.3	26.5	26.6	26.7
≥ 12000		19.5	21.5	22.9	25.2	25.2	26.1	26.5	26.6	27.0	27.1	27.2	27.2	27.4	27.5	27.6
≥ 10000		21.0	23.1	24.6	27.0	27.0	28.0	28.4	28.5	28.9	29.0	29.1	29.2	29.3	29.4	29.6
≥ 9000		21.6	23.7	25.3	27.8	27.8	28.8	29.2	29.3	29.7	29.9	29.9	30.0	30.1	30.2	30.4
≥ 8000		25.1	27.5	29.3	32.1	32.1	33.2	33.6	33.8	34.2	34.3	34.4	34.5	34.6	34.7	34.9
≥ 7000		26.2	28.8	30.7	33.6	33.6	34.8	35.3	35.5	36.0	36.1	36.2	36.3	36.5	36.5	36.7
≥ 6000		27.3	29.5	31.5	34.5	34.5	35.8	36.3	36.6	37.1	37.3	37.4	37.5	37.7	37.8	37.9
≥ 5000		29.4	32.2	34.3	37.6	37.6	39.0	39.6	39.9	40.4	40.6	40.7	40.8	41.0	41.1	41.3
≥ 4500		34.1	37.2	39.5	43.3	43.3	44.8	45.5	45.7	46.3	46.5	46.6	46.7	46.9	47.0	47.2
≥ 4000		38.2	41.5	44.0	48.4	48.5	50.2	51.0	51.3	51.9	52.1	52.2	52.3	52.6	52.6	52.8
≥ 3500		42.5	46.2	49.0	53.9	54.1	55.9	57.0	57.3	58.0	58.2	58.3	58.4	58.6	58.7	58.9
≥ 3000		45.7	49.8	52.9	58.2	58.4	60.4	61.5	61.9	62.6	62.8	62.9	63.1	63.3	63.4	63.6
≥ 2500		49.4	54.2	57.6	63.9	64.2	66.7	68.0	68.4	69.2	69.4	69.6	69.7	70.0	70.1	70.2
≥ 2000		52.8	58.4	62.2	69.8	70.1	73.2	74.8	75.3	76.5	76.7	76.9	77.0	77.3	77.4	77.6
≥ 1800		53.3	59.1	62.9	71.0	71.3	74.5	76.3	76.7	78.0	78.3	78.5	78.6	78.9	79.0	79.2
≥ 1500		54.4	60.5	64.8	73.5	73.9	77.6	79.6	80.1	81.5	81.9	82.0	82.2	82.5	82.5	82.7
≥ 1200		55.5	62.1	66.9	76.6	77.0	81.3	83.5	84.0	85.5	86.0	86.1	86.3	86.6	86.7	86.8
≥ 1000		56.0	62.7	68.0	78.8	79.2	83.9	86.4	86.9	88.5	89.0	89.2	89.3	89.6	89.7	89.9
≥ 900		56.1	63.1	68.4	79.6	80.1	84.9	87.4	87.9	89.6	90.1	90.2	90.4	90.7	90.8	91.0
≥ 800		56.3	63.3	68.8	80.4	80.9	86.0	88.6	89.2	91.0	91.5	91.7	91.9	92.2	92.4	92.5
≥ 700		56.4	63.5	69.1	81.1	81.7	87.0	89.9	90.5	92.4	92.9	93.1	93.3	93.7	93.8	94.1
≥ 600		56.4	63.6	69.3	81.5	82.1	87.6	90.6	91.2	93.2	93.7	93.9	94.1	94.4	94.6	94.9
≥ 500		56.5	63.6	69.3	81.9	82.6	88.3	91.4	92.2	94.3	94.9	95.1	95.4	95.8	96.0	96.3
≥ 400		56.5	63.6	69.3	82.0	82.6	88.5	91.7	92.5	94.7	95.4	95.7	96.0	96.4	96.6	97.1
≥ 300		56.5	63.6	69.3	82.0	82.6	88.5	91.9	92.6	95.1	95.9	96.3	96.8	97.5	97.8	98.3
≥ 200		56.5	63.6	69.4	82.0	82.6	88.5	91.9	92.7	95.2	96.1	96.6	97.1	97.9	98.2	99.0
≥ 100		56.5	63.7	69.4	82.0	82.7	88.6	91.9	92.7	95.3	96.2	96.7	97.3	98.1	98.6	99.9
≥ 0		56.5	63.7	69.4	82.0	82.7	88.6	91.9	92.7	95.3	96.2	96.7	97.3	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46

HEIDELBERG AAF DL

68-70,74-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		30.1	31.7	32.9	35.2	35.3	36.2	36.5	36.7	37.0	37.0	37.1	37.1	37.2	37.2	37.3
≥ 20000		33.7	35.6	37.0	39.5	39.7	40.6	41.0	41.2	41.5	41.6	41.7	41.7	41.8	41.8	41.9
≥ 18000		33.9	35.7	37.2	39.7	39.9	40.8	41.2	41.4	41.7	41.8	41.9	41.9	42.0	42.0	42.1
≥ 16000		33.9	35.8	37.2	39.8	39.9	40.9	41.3	41.5	41.8	41.9	41.9	42.0	42.0	42.1	42.2
≥ 14000		34.3	36.1	37.6	40.1	40.3	41.3	41.7	41.8	42.2	42.2	42.3	42.4	42.4	42.5	42.6
≥ 12000		35.1	37.0	38.5	41.2	41.3	42.3	42.7	42.9	43.2	43.3	43.4	43.4	43.5	43.5	43.6
≥ 10000		37.8	39.9	41.6	44.5	44.7	45.7	46.2	46.4	46.8	46.8	46.9	46.9	47.0	47.1	47.2
≥ 9000		39.7	41.9	43.7	46.7	46.9	48.0	48.5	48.7	49.1	49.2	49.2	49.3	49.3	49.4	49.5
≥ 8000		45.5	48.1	50.2	53.7	53.9	55.2	55.8	56.0	56.4	56.5	56.5	56.6	56.7	56.7	56.9
≥ 7000		47.3	50.0	52.2	55.8	56.0	57.4	58.0	58.3	58.7	58.8	58.8	58.9	59.0	59.0	59.2
≥ 6000		48.1	51.9	53.2	56.9	57.1	58.5	59.1	59.4	59.8	59.9	60.0	60.1	60.1	60.2	60.3
≥ 5000		51.2	54.2	56.6	60.6	60.8	62.3	63.0	63.3	63.7	63.8	63.9	64.0	64.0	64.1	64.2
≥ 4500		55.1	58.5	61.0	65.4	65.6	67.2	67.9	68.2	68.7	68.8	68.8	68.9	69.0	69.0	69.2
≥ 4000		58.4	61.9	64.7	69.5	69.8	71.5	72.2	72.5	73.0	73.1	73.2	73.3	73.3	73.4	73.5
≥ 3500		61.8	65.6	68.7	73.9	74.2	76.0	76.8	77.1	77.6	77.7	77.8	77.8	77.9	78.0	78.1
≥ 3000		64.3	68.5	71.8	77.4	77.7	79.6	80.5	80.8	81.4	81.5	81.6	81.7	81.8	81.8	81.9
≥ 2500		66.2	70.8	74.3	80.4	80.8	82.9	83.9	84.2	84.8	84.9	85.0	85.1	85.2	85.2	85.4
≥ 2000		68.1	73.1	77.1	84.1	84.6	87.0	88.2	88.5	89.3	89.4	89.5	89.6	89.7	89.7	89.8
≥ 1800		68.4	73.5	77.5	84.7	85.2	87.7	88.9	89.3	90.0	90.2	90.2	90.3	90.4	90.5	90.6
≥ 1500		69.0	74.2	78.5	86.2	86.7	89.5	90.8	91.2	92.0	92.2	92.3	92.4	92.5	92.5	92.7
≥ 1200		69.3	74.6	79.1	87.2	87.7	90.7	92.1	92.6	93.4	93.6	93.7	93.8	93.9	93.9	94.1
≥ 1000		69.5	74.9	79.4	87.8	88.3	91.5	93.0	93.5	94.4	94.6	94.7	94.8	94.9	94.9	95.1
≥ 900		69.5	75.1	79.5	88.1	88.6	91.8	93.3	93.8	94.8	95.0	95.1	95.2	95.3	95.3	95.5
≥ 800		69.6	75.1	79.7	88.3	88.9	92.2	93.8	94.3	95.3	95.6	95.7	95.8	95.9	95.9	96.1
≥ 700		69.6	75.2	79.8	88.5	89.2	92.6	94.2	94.8	95.9	96.1	96.2	96.3	96.4	96.5	96.6
≥ 600		69.7	75.2	79.9	88.7	89.4	92.9	94.6	95.2	96.3	96.6	96.7	96.8	96.9	97.0	97.2
≥ 500		69.7	75.2	79.9	88.9	89.5	93.1	94.9	95.5	96.8	97.1	97.3	97.4	97.6	97.6	97.8
≥ 400		69.7	75.2	79.9	88.9	89.6	93.2	95.0	95.7	97.0	97.4	97.6	97.8	98.0	98.0	98.2
≥ 300		69.7	75.2	79.9	88.9	89.6	93.2	95.1	95.8	97.2	97.6	97.9	98.1	98.3	98.4	98.7
≥ 200		69.7	75.2	79.9	88.9	89.6	93.2	95.1	95.8	97.3	97.7	97.9	98.2	98.5	98.7	99.1
≥ 100		69.7	75.2	79.9	88.9	89.6	93.2	95.2	95.8	97.3	97.7	98.0	98.2	98.6	98.8	99.7
≥ 0		69.7	75.2	79.9	88.9	89.6	93.2	95.2	95.8	97.3	97.7	98.0	98.2	98.6	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 67639

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

34046

HEIDELBERG AAF DL

STATION

STATION NAME

51-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
100						.1	.2						.0
95						.6	2.4	1.0					.3
90					.5	2.2	8.4	4.4	.2				1.3
85				.6	2.4	8.9	19.6	14.0	2.9				4.1
80				1.6	10.0	26.1	35.6	30.4	10.8	.6			9.7
75			.2	6.1	23.4	45.0	54.5	52.8	28.7	2.5			18.0
70			1.6	15.0	39.2	64.1	75.6	74.3	49.2	9.9	.1		27.7
65		.4	7.9	28.3	59.9	83.6	92.0	92.9	71.1	22.8	.4		38.6
60		2.1	17.0	45.3	80.6	95.1	99.0	99.4	91.1	44.7	4.4	.5	48.7
55	1.0	6.8	33.0	65.0	93.9	99.3	100.0	100.0	98.8	69.1	15.5	3.3	57.5
50	7.1	17.9	55.8	85.6	98.9	99.9		100.0	88.1	37.5	13.7		67.3
45	22.4	40.1	76.2	96.6	99.9	100.0			97.4	61.1	30.1		77.1
40	43.3	60.3	90.2	99.9	100.0				99.9	84.0	52.4		85.9
35	68.6	82.3	98.0	100.0					100.0	95.2	77.0		93.4
30	87.1	94.2	99.6							100.0	92.4		97.8
25	95.7	97.3	100.0									97.8	99.2
20	99.0	99.1										99.5	99.8
15	99.9	99.8										100.0	100.0
10	100.0	99.9											100.0
5		100.0											100.0
MEAN	38.2	42.0	50.9	59.2	67.5	73.2	76.4	75.4	69.6	58.7	46.9	40.3	58.2
S. D.	7.787	8.488	8.701	9.278	8.749	8.486	8.819	7.793	7.676	7.836	7.239	7.745	15.958
TOTAL OBS.	930	848	899	881	930	900	930	930	900	930	891	919	10888

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

STATION

HEIDELBERG AAF DL

51-81

YEARS

MEAN

MEAN

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34046 HEIDELBERG AAF DL
STATION STATION NAME

51-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* 79	85	83	91	91	87	67	62	50	
52	50	51	64	80	82	93	100	96	72	64	55	51	100
53	48	59	74	80	91	85	86	88	90	72	60	63	91
54	54	49	66	69	84	91	83	91	87	73	62	57	91
55	54	51	71	85	83	85	92	85	80	64	60	53	92
56	53	39	66	68	87	78	86	84	78	78	54	58	87
57	53	64	67	76	79	91	99	83	81	69	63	52	99
58	54	64	67	69	82	87	89	89	85	72	55	55	89
59	58	51	70	80	82	87	98	89	86	74	56	56	98
60	58	67	70	75	82	90	85	86	78	73	63	55	90
61	53	66	72	80	78	88	91	89	87	76	55	62	91
62	53	50	58	82	79	86	91	96	88	80	61	53	96
63	41	48	59	73	81	85	92	95	81	69	66	45	95
64	39	59	61	78	85	90	98	95	86	70	58	52	98
65	53	42	66	73	84	90	90	86	79	72	63	60	90
66	56	61	57	73	84	89	85	94	85	82	54	56	94
67	56	59	61	72	87	93	93	92	83	75	56	53	93
68	49	57	77	88	81	85	92	83	80	72*	72*	49	92
69	50	54	58	76	90	86	94	90	83	74	63	40	94
70	47	52	58	77	77	88	88	92	85	77	65	52	92
71	52	49	58	81	86	81	97	97	83	74	61	54	97
72	54	56	70	76	77	88	94	89	78	69	64	51	94
73	44	48	69	73	84	91	91	91	91	73	59	50	91
74	55	62	71	75	80	84	87	96	82	55	64	59	96
75	55	59	62	77	82	87	93	93	86	69	60	50	93
76	51	60	66	77	87	100	98	86	78	77	57	48	100
77	53	57	71	73	82	91	91	86	80	78	64	57	91
78	46	64	66	71	80	87	91	87	78	75*	51	55	91
79	41	51	59	73	93	91	87	87	86	82	59	61	93
80	50	55	63	75	77	88	88	91	82	66*	61	54	91
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

STATION

HEIDELBERG AAF DL

STATION NAME

51-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

[illegible]

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34046 HEIDELBERG AAF DL
STATION STATION NAME

51-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51			*	35	33	47	40	44	36	30	32	23	
52	24	11	25	29	39	45	47	47	40	29	24	16	11
53	6	-5	24	37	31	41	50	46	38	28	27	26	-5
54	6	7	29	30	40	46	46	50	37	36	25	28	6
55	20	7	21	28	33	42	52	47	37	26	22	22	7
56	7	-6	25	23	36	41	52	43	43	32	19	16	-6
57	11	28	28	30	34	44	51	44	39	30	29	23	11
58	16	23	20	25	40	46	50	50	46	32	34	19	16
59	16	17	28	29	37	43	53	43	37	31	27	26	16
60	0	18	30	31	30	46	45	50	34	36	28	26	0
61	19	31	29	41	38	44	44	49	42	32	21	13	13
62	18	16	17	35	32	37	42	44	40	31	21	7	7
63	1	0	14	29	34	48	53	45	41	29	32	9	0
64	12	23	23	29	41	44	44	43	39	29	31	15	12
65	27	16	14	34	37	46	48	46	41	29	23	28	14
66	5	30	28	33	39	44	48	46	42	31	27	30	5
67	13	25	30	29	38	42	48	50	43	33	25	13	13
68	0	24	26	30	35	46	48	46	44	35*	28*	16	0
69	14	8	24	30	37	43	48	48	41	39	24	7	7
70	19	15	15	30	35	48	44	49	40	32	28	11	11
71	2	16	16	31	43	45	43	49	32	34	25	25	2
72	16	11	29	31	40	43	45	44	35	26	24	15	11
73	15	24	23	28	35	46	50	46	39	28	10	0	0
74	30	30	26	33	39	44	48	51	39	32	26	28	26
75	28	26	26	30	39	35	50	53	50	35	17	10	10
76	3	23	19	28	35	46	48	48	42	33	30	8	3
77	26	26	24	23	37	46	42	50	41	39	21	21	21
78	26	3	30	28	39	41	46	41	41	32*	23	15	3
79	5	23	28	33	32	46	46	42	37	36	28	28	5
80	14	25	28*	34	34	50	45	43	45	32*	23	12	12
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

* (AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC

YEARS

0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH
0300-0500
HOURS (L. S. T.)

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 HEIDELBERG AAF DL

69-70,74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
51 / 51	.2	.1	.2															5	5	2	2		
50 / 49	.1	.1	.1	.1														4	4	3	1		
49 / 47	.3	.8	.5	.3	.2													20	20	7	5		
48 / 45	.6	3.3	.4	.2		.1												44	44	23	11		
47 / 43	1.2	3.3	1.7	.4	.1													63	63	57	25		
46 / 41	1.2	6.9	1.8	.1														93	93	66	63		
45 / 39	1.7	6.2	1.7															83	63	74	58		
44 / 37	3.6	8.5	1.1															113	113	99	80		
43 / 35	3.5	5.8	1.2															98	98	134	120		
42 / 33	5.1	5.5	.4															102	102	136	115		
41 / 31	4.3	3.8																75	75	83	125		
40 / 29	2.4	3.2	.1															53	53	60	74		
39 / 27	3.4	2.9	.1															60	60	55	77		
38 / 25	.7	1.4																21	21	22	37		
37 / 23	1.8	1.6																32	32	31	30		
36 / 21	1.2	.9																19	19	27	20		
35 / 19	.4	.4																9	9	11	31		
34 / 17	.6	.5																11	11	15	17		
33 / 15	.3	.1																3	3	3	12		
32 / 13	.1	.6																7	7	5	8		
31 / 11		.1																1	1	3	4		
30 / 9	.4	.4																8	8	7	6		
29 / 7	.1																	1	1	2	1		
28 / 5	.4	.1																5	5	4	8		
4 / 3																				1	4		
3 / 1																					1		
2 / -1																					1		
-1 / -3																					1		
TOTAL	33.0	56.7	8.7	1.2	.3	.1												930	930	930	930		

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NR 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>34 46</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

69-70, 74-81

YEARS

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3446 HEIDELBERG AAF DL 69-70,74-81 JAN
STATION STATION NAME YEARS MONTH
PAGE 1 210-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
56/ 55				.1														1	1			
54/ 53			.3															3	3			
52/ 51	.2	.1	.1															4	4	2	2	
50/ 49	.2	.2	.5	.1														10	10	9	2	
48/ 47	.3	.4	1.1															17	17	4	9	
46/ 45	.4	2.3	.5															28	28	21	7	
44/ 43	1.3	3.3	.9															51	51	53	16	
42/ 41	2.3	9.5	1.9															127	127	72	79	
40/ 39	3.3	6.7	1.2															104	104	98	92	
38/ 37	3.5	7.3	.6															107	107	110	80	
36/ 35	2.4	3.9	.6															61	61	109	96	
34/ 33	5.3	8.0	.6															129	129	127	112	
32/ 31	4.9	5.2	.1															95	95	106	124	
30/ 29	1.9	2.6	.3															40	40	58	83	
28/ 27	2.4	2.6	.3															49	49	44	64	
26/ 25	1.2	1.2																20	20	20	35	
24/ 23	2.3	1.3																33	33	37	37	
22/ 21	1.4																	13	13	22	16	
20/ 19	1.4	.3																16	16	13	27	
18/ 17	.4	.3																7	7	10	17	
16/ 15	.1	.2																3	3	3	10	
14/ 13	.1	.1																2	2	2	5	
12/ 11	.5																	5	5	5	8	
10/ 9	.1	.1																2	2	1	4	
8/ 7	.2																	2	2	3	1	
6/ 5	.1																	1	1	1	3	
4/ 3																					1	
TOTAL	35.8	54.7	9.2	.2														930	930	930	930	
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Num.	7551051		83399		89.7		8.812		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F	
Dry Bulb	1204977		32765		35.2		7.382		930				28.8								93	
Wet Bulb	1132082		31784		34.2		7.023		930				32.5								93	
Dew Point	1027739		30139		32.4		7.410		930				43.5								93	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL 69-70, 74-81 JAN
STATION STATION NAME YEARS MONTH
PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
50/ 55		.0		.1	.0															8	8			
47/ 53		.1	.3	.0	.1															36	36	1		
42/ 51	.1	.2	.2	.2	.0															55	55	14	11	
50/ 49	.3	.4	.4	.1	.0															87	87	73	28	
47/ 47	.2	.8	1.7	.1	.0															167	167	63	47	
45/ 45	.6	3.1	.8	.3	.7	.0														357	357	245	96	
47/ 43	.9	3.4	1.5	.4	.0															460	460	448	187	
42/ 41	1.5	8.5	2.2	.1																915	915	561	565	
47/ 39	1.6	6.4	1.4	.1																704	704	674	554	
34/ 37	3.1	6.1	1.1	.1																773	773	872	720	
36/ 35	3.1	5.8	1.2																	751	751	852	824	
34/ 33	5.4	5.8	.5	.1																871	871	1128	892	
42/ 31	3.8	3.9	.3	.0																592	592	710	915	
37/ 29	2.6	2.7	.3																	416	416	451	676	
26/ 27	2.8	2.7	.1																	413	414	388	584	
26/ 25	.9	1.5	.1																	187	187	207	238	
24/ 23	1.5	1.5	.0																	221	222	234	280	
22/ 21	1.1	.4																		110	110	177	175	
20/ 19	.8	.4																		94	94	97	172	
17/ 17	.5	.5																		72	72	97	137	
17/ 15	.2	.1																		25	25	30	86	
14/ 13	.3	.2																		32	32	29	69	
17/ 11	.2	.1																		22	22	27	47	
17/ 9	.2	.2																		32	35	23	35	
17/ 7	.2	.1																		15	15	21	17	
15/ 5	.2	.0																		14	14	16	23	
4/ 3	.1																			4	4	5	19	
2/ 1																							8	
1/ -1																							7	
-2/ -3																							1	
TOTAL	32.0	54.7	11.4	1.5	.2	.0														7433	7438	7433	7433	
Element (X)	Σ x'		Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature												Total			
Rel. Hum.	58746330		656786		88.4	9.789	7433		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								744		
Dry Bulb	9790917		263633		35.4	7.750	7438			225.5												744		
Wet Bulb	9104088		254432		34.2	7.289	7433			250.4												744		
Dew Point	8161227		239523		32.2	7.719	7433		.8	349.2												744		

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 0000-0260
HOURS (L - S - T -)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

34 46

HEIDELBERG AAF DL

69-70, 74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7600-0800

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

F E Ö

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMA

34 40	HEIDELBERG AAF DL
STATION	STATION NAME

69-70, 74-81

YEARS

F E 6

MONTH

PAGE 1 1200-14
HOURS (L. S.)

[illegible]

AD-A110 049 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81

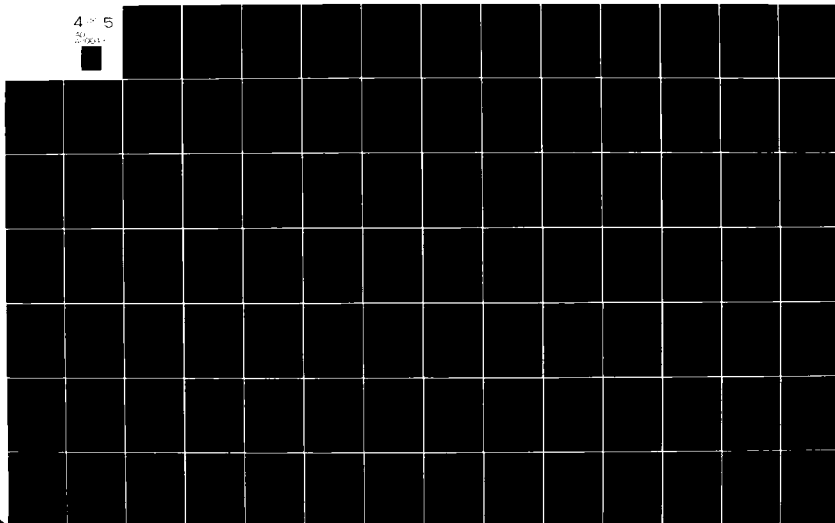
UNCLASSIFIED USAFETAC/DS-81/090

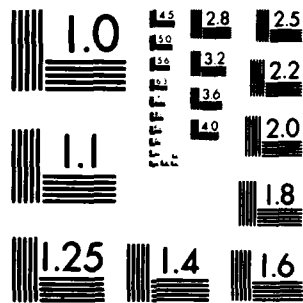
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963 A.

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PSYCHROMETRIC SUMMARY

<u>34 46</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

69-70, 74-81

YEARS

FFB

MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

69-70, 74-81

FEB
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

69-70, 74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63						.0	.0											3	3		
62/ 61					.0	.0		.0										4	4		
60/ 59					.1	.1	.0											14	14		
58/ 57			.0	.0	.1	.0	.0											11	11		
56/ 55		.0	.1	.1	.2	.1			.0									30	30		
54/ 53	.1	.1	.2	.3	.1	.0	.0											59	59	9	4
52/ 51	.0	.2	.4	.5	.1	.1												95	95	18	4
50/ 49	.1	.5	.9	.6	.2	.0	.0											166	166	59	13
48/ 47	.3	1.3	1.6	.7	.2	.0	.0											271	271	140	40
46/ 45	.8	3.6	1.9	1.0	.3	.2	.1											528	528	390	163
44/ 43	.9	3.1	1.4	.5	.3	.0												422	422	465	238
42/ 41	2.5	4.9	2.3	.8	.4													739	739	607	617
40/ 39	2.5	4.5	2.2	.9	.1													690	690	562	578
38/ 37	2.3	4.8	2.6	.5	.0													694	694	676	563
36/ 35	1.8	5.1	2.6	.2	.1													655	655	678	520
34/ 33	2.7	5.3	1.4	.2														647	647	979	580
32/ 31	2.8	4.3	.6	.1														526	526	729	720
30/ 29	1.8	4.3	.5	.0														447	447	505	610
28/ 27	3.6	2.3	.2															412	412	481	856
26/ 25	1.2	.8																133	133	219	483
24/ 23	1.0	.5																97	97	129	352
22/ 21	.3	.2																30	30	38	168
20/ 19	.3	.2																32	32	34	80
18/ 17	.3	.1																29	29	33	62
16/ 15	.1	.1																13	13	13	54
14/ 13	.0	.0																5	5	7	33
12/ 11	.1																	7	7	8	12
10/ 9	.0																	3	3	3	10
8/ 7	.0																	3	3	3	5
6/ 5	.1																	2	2	2	2
4/ 3	.1																	1	1	1	1
TOTAL	25.5	46.1	18.6	6.4	2.4	.7	.2	.0	.0									6768	6768	6768	
																		6768		6768	
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.	48935565		568171		83.9		13.525		6768		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					672
Dry Bulb	9813372		252934		37.4		7.301		6768			172.8									672
Wet Bulb	8805703		240103		35.5		6.521		6768			217.0									672
Dew Point	7526141		220635		32.6		7.020		6768			342.4									672

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

34346 HEIDELBERG AAF DL

68-70, 74-80

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3446 HEIDELBERG AAF DL

68-70,74-80

YEARS

MAR
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
58/ 57			.1		.1													2	2				
56/ 55			.2	.2														4	4				
54/ 53		.1	1.2	.2	.1													15	15	1			
52/ 51		1.3	.6															18	18	8			
50/ 49	.1	1.6	.9	.3														27	27	30	10		
48/ 47	.9	2.8	1.0	.3														46	46	34	29		
46/ 45	2.2	5.5	1.2	.1														83	83	68	59		
44/ 43	1.6	5.3	2.4															86	86	81	46		
42/ 41	4.0	9.0	2.6	.3														148	148	98	104		
40/ 39	1.1	5.8	1.2															75	75	100	86		
38/ 37	2.8	5.4	1.7		.2	.1												95	95	98	106		
36/ 35	2.7	5.3	3.0	.3														105	105	101	95		
34/ 33	2.4	3.4	1.7															70	70	85	85		
32/ 31	.9	3.9	.4															48	48	82	44		
30/ 29	.4	1.9	.8	.1														30	30	49	68		
28/ 27	2.2	1.0																29	29	35	71		
26/ 25	1.4	1.2	.3															27	27	29	42		
24/ 23	.5	.4	.3															12	12	15	38		
22/ 21	.1	.1																2	2	7	14		
20/ 19	.3	.2																5	5	4	8		
18/ 17	.1																	1	1	3	10		
16/ 15	.2																	2	2	2	5		
14/ 13																					3		
12/ 11																					5		
10/ 9																					1		
8/ 7																					1		
TOTAL	23.8	54.2	19.6	1.9	.4	.1												930	930	930	930		
Element (X)	Σ X ²		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	7063211		80443		86.5	10.635	930		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb	1451884		36172		38.9	6.959	930			15.6					93								
Wet Bulb	1337135		34705		37.3	6.727	930			22.6					93								
Dew Point	1195998		32598		35.1	7.581	930			31.0					93								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34.46 STATION HEIDELBERG AAF DL STATION NAME 68-70,74-80 YEARS MAR MONTH
PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb		Wet Bulb	Dew Point	
64 / 67							.1											1	1			
66 / 65							.1											1	1			
64 / 63					.1	.4												5	5			
62 / 61				.1			.1											2	2			
61 / 59			.1	.6	.6	.4	.1											18	18			
59 / 57			.6	.3	.8													16	16			
58 / 55		.3	.8	1.1	.6	.1												26	26	4		
54 / 53		.4	1.9	.6	.9	.2												38	38	22		
52 / 51		1.9	1.4	1.6	.1													47	47	34	6	
51 / 49	.1	1.7	1.8	1.8	.3													54	54	52	27	
48 / 47	.2	2.8	2.0	1.0														56	56	61	35	
46 / 45	.6	4.7	5.9	2.2	.5													130	130	83	69	
44 / 43	.2	5.2	2.5	1.1	.1	.2												86	86	89	51	
42 / 41	1.3	5.8	3.7	1.0	.5	.1												115	115	108	113	
41 / 39	.5	5.3	4.0	.8	.3													101	101	94	100	
38 / 37	.6	3.2	3.9	.4	.1													77	77	106	96	
36 / 35	.8	3.3	2.7															63	63	87	88	
34 / 33	.4	1.8	1.6	.3														39	39	81	54	
32 / 31	1.0	1.5	.8															30	30	57	83	
31 / 29	.4	.9	.2															14	14	27	77	
28 / 27	.2	.3																5	5	17	59	
26 / 25		.1																1	1	2	20	
24 / 23	.1	.2																3	3	2	28	
22 / 21	.1	.1																2	2	4	7	
21 / 19																					12	
18 / 17																					3	
16 / 15																					2	
TOTAL	6.7	39.7	33.9	12.8	5.1	1.5	.4												930	930	930	
																		930		930		
Element (X)	ΣX'		ΣX		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.	5819.42		72578		78.0		12.917		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93	
Dry Bulb	1789922		40236		43.3		7.272		930			5.5	.1								93	
Wet Bulb	1547913		37465		40.3		6.449		930				10.9								93	
Dew Point	1288448		33972		36.5		7.149		930				29.1								93	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80

YEARS

MAR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
76/ 75										.1								1	1					
74/ 73								.1										1	1					
72/ 71							.1	.2										3	3					
70/ 69						.1	.3	.1										5	5					
68/ 67						.1	.2											3	3					
66/ 65						1.1	.2	.2										14	14					
64/ 63				.3	1.2	.6	.2	.1										23	23					
62/ 61				.4	1.1	.5	.3	.1										23	23					
60/ 59		.1	.4	1.8	.4	1.4	.2											41	41	4				
58/ 57			.9	.9	1.9	.6												40	40	16				
56/ 55		.1	.5	1.2	2.2	.3	.1											41	41	38	2			
54/ 53		.8	1.5	1.0	1.8	.4												51	51	37	1			
52/ 51		.5	1.8	2.8	1.6	.4	.2											69	69	35	20			
50/ 49		.9	2.3	1.8	1.6	.4	.3	.1										69	69	66	34			
48/ 47	.1	1.5	3.1	2.9	1.2	.6	.1											89	89	82	49			
46/ 45	.4	2.7	4.1	3.2	2.3	.2	.1											119	119	96	54			
44/ 43	.2	2.9	2.3	2.9	.4	.1												82	82	105	56			
42/ 41	.5	3.3	5.1	2.9	1.4	.3												115	115	99	128			
40/ 39	.1	3.7	2.7	.5														65	65	102	88			
38/ 37	.4	1.3	.9	1.1														34	34	120	79			
36/ 35	.1	.6	1.2	.5														23	23	57	103			
34/ 33	.3	.4	.4															11	11	32	74			
32/ 31	.1	.3																4	4	28	64			
30/ 29		.3																3	3	11	61			
28/ 27	.1																	1	1	2	41			
26/ 25																					23			
24/ 23																					32			
22/ 21																					12			
20/ 19																					2			
18/ 17																					4			
16/ 15																					2			
14/ 13																					1			
TOTAL	2.5	19.1	27.1	23.4	16.9	7.4	2.5	1.0		.1								930	930	930	930			
Element (X)	Σ X ²			Σ X			X	X _n	No. Obs.			Mean No. of Hours with Temperature										Total		
Rel. Hum.	4488639			63137			67.9	14.757	930			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				Total			
Dry Bulb	2205393			44677			48.0	7.977	930				.8	1.3	.2				93					
Wet Bulb	1769018			40108			43.1	6.503	930				4.1				93							
Dew Point	1343600			34674			37.3	7.396	930				24.2				93							

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34.46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

YEAR

MAR
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
77 / 77										.1	.1							2	2									
76 / 75								.1	.2	.1								4	4									
74 / 73							.2											2	2									
72 / 71						.1	.2	.2										5	5									
70 / 69						.1	.5											6	6									
68 / 67						.2	.4	.3										9	9									
66 / 65					.3	1.3	.3	.2										20	20									
64 / 63				.3	.5	1.6	.4	.2	.1									30	30	1								
62 / 61			.2	.3	.8	.4	.8	.1										24	24	5								
60 / 59				1.0	.2	1.7	.6											33	33	7								
58 / 57			.5	.8	1.3	.6	.1											31	31	26								
56 / 55		.2	1.1	.9	1.9	.2	.4											44	44	30	4							
54 / 53		.9	1.2	1.8	2.5	1.2	.6	.1										77	77	28	7							
52 / 51		.2	3.2	2.3	2.2	.3	.2											78	78	51	14							
50 / 49	.2	1.1	2.2	3.3	1.4	.4	.5											85	85	64	37							
48 / 47		1.8	2.6	2.4	1.5	.2												79	79	94	50							
46 / 45	.1	2.8	4.8	3.9	2.8	.3												137	137	116	62							
44 / 43	.3	1.6	3.2	3.2	.5	.2												85	85	104	50							
42 / 41	.2	2.6	3.5	1.0	.8	.6												81	81	86	105							
40 / 39	.2	2.3	1.4	.6	.4													46	46	131	110							
38 / 37	.2	.8	.9	.5														22	22	90	99							
36 / 35	.1	.4	.8	.3														15	15	41	79							
34 / 33	.2	.5	.1															8	8	24	77							
32 / 31	.6	.1																7	7	28	87							
30 / 29																				4	41							
28 / 27																					42							
26 / 25																					20							
24 / 23																					20							
22 / 21																					10							
20 / 19																					6							
18 / 17																					5							
16 / 15																					4							
14 / 13																					1							
Element (X)	Σ X ²		Σ X		X		σ _x		No. Obs.		Mean No. of Hours with Temperature																	
Rel. Num.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																												
Wet Bulb																												
Dew Point																												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 7 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3446 HEIDELBERG AAF DL

68-70,74-80

MAF

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
74/ 73								.1	.1									2														2					
73/ 69					.1		.1											2														2					
68/ 67					.1	.1	.2											4														4					
66/ 65					.2	.4	.1	.1										8														8					
64/ 63					.3	.4												7														7					
63/ 61				.1	1.0	.2	.2	.1										15														15	2				
57/ 59			.4	2.0	.4	.4	.1											32														32	2				
57/ 57		.1		1.1	.8	.4												22														22	8				
56/ 55		.1	.6	.8	1.0	.2												25														25	21	3			
54/ 53	.2	.9	1.2	1.7	.8	.1												38														38	29	6			
52/ 51	.1	.3	3.0	1.5	.3	.2												51														51	32	8			
51/ 49	.2	2.2	2.9	2.6	.9	.3												84														84	46	32			
45/ 47	.1	2.2	4.7	1.9	.5	.5	.1											87														87	86	41			
45/ 45	.9	4.3	5.6	2.2	.6	.2												128														128	106	69			
44/ 43	.8	3.1	3.4	.9	1.0	.2												87														87	99	62			
42/ 41	.3	3.7	6.3	1.8	1.3	.2												121														121	100	112			
41/ 39	.2	4.1	3.7	1.4	.1	.2												90														90	54	100			
39/ 37	.6	2.8	2.3	.4	.2													59														59	115	87			
36/ 35	.1	.6	.9	.4	.1													20														20	97	78			
34/ 33		1.5	.8	.5	.1													27														27	43	92			
32/ 31	.6	.2	.3	.1														12														12	34	53			
31/ 29	.3	.2	.2															7														7	21	57			
29/ 27	.1	.1																2														2	12	41			
25/ 25																																		3	27		
24/ 23																																			22		
22/ 21																																			15		
19/ 19																																			7		
17/ 17																																			11		
15/ 15																																			1		
14/ 13																																			2		
12/ 11																																			2		
9/ 9																																			2		
TOTAL	4.6	25.7	35.6	18.7	9.8	4.3	.9	.3	.1									930														930	930	930			
Element (X)	Σ X'			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature											Total										
Rel. Hum.	5099349			67541			72.6			14.477			930			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total			
Dry Bulb	2004787			42607			45.8			7.538			930						2.1			.8			.2									93			
Wet Bulb	1672317			38960			41.9			6.576			930						7.0															93			
Dew Point	1328436			34392			37.0			7.805			930						24.0															93			

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

USAFETAC
FORM
M 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATD WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80

YEARS

MAR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74/ 77										.0	.0							2	2						
67/ 75									.0	.0	.0							5	5						
47/ 73								.0	.0	.0	.0							5	5						
72/ 71						.0	.0	.1	.0									8	8						
71/ 69					.0	.0	.1	.0										13	13						
67/ 67					.0	.1	.1	.0										17	17						
67/ 65					.1	.3	.1	.1										43	43						
47/ 65				.1	.3	.4	.1	.0	.0									65	65	1					
71/ 61			.0	.1	.4	.1	.2	.0										65	65	7					
71/ 59		.0	.1	.8	.2	.5	.1											133	133	13					
71/ 57		.2	.3	.5	.7	.2	.0											136	136	50					
52/ 55		.1	.6	.7	.8	.1	.1											179	179	93	9				
47/ 53	.4	.6	1.4	.7	.8	.2	.1	.0										285	285	136	16				
72/ 51	.1	1.1	1.7	1.2	.6	.1	.1											353	353	210	59				
57/ 49	.2	1.7	1.8	1.6	.6	.1	.1	.0										455	455	387	189				
71/ 47	.4	2.8	2.6	1.3	.4	.2	.1											580	580	518	304				
40/ 45	1.1	4.2	3.8	1.7	.8	.1	.											912	912	727	509				
74/ 43	.9	4.4	2.6	1.1	.3	.1												697	697	758	445				
72/ 41	1.6	5.6	3.5	1.1	.6	.2												927	927	805	890				
47/ 39	.6	5.7	2.5	.6	.1	.1												660	660	775	767				
39/ 37	1.3	3.4	2.8	.5	.1	.0												618	618	835	751				
76/ 35	1.1	2.7	2.1	.3	.0													457	457	644	700				
34/ 33	.8	1.7	1.1	.1	.													279	279	530	619				
72/ 31	.8	1.6	.4	.1														212	212	410	527				
71/ 29	.4	1.1	.4	.1														140	140	241	487				
28/ 27	.5	.5	.2	.0														93	93	136	426				
70/ 25	.3	.3	.1															52	52	86	222				
24/ 23	.1	.2	.0															28	28	39	233				
27/ 21	.1	.1																9	9	23	98				
71/ 19	.1	.0																8	8	10	66				
78/ 17	.0																	1	1	3	56				
70/ 15	.0																	2	2	2	23				
74/ 13																					15				
71/ 11																					16				
Element (X)	Σ X'			Σ X			Σ	°	No. Obs.			Mean No. of Hours with Temperature										Total			
Rel. Hum.												≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

<u>3446</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

MAR
MONTH

PAGE 2

ALL

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

34 46
STATIC

HEIDELBERG AAF DL

68-70, 74-80

APR

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

[illegible]

[illegible]

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70, 74-80

APR

STATION

STATION NAME

YEARS

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7600-0800

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF OL
STATION STATION NAME

68-70,74-80
YEARS

APR
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
79								.2										2	2						
76/ 77							.1											1	1						
76/ 75							.2											2	2						
74/ 73							.2											2	2						
72/ 71							.2		.2									4	4						
70/ 69					.1	.2	.3	.1	.2									7	7						
68/ 67					.4	.1		.2	.4									11	11						
66/ 65					.2	.2	.3	.4										11	11		4				
64/ 63				.1	.8	1.1	1.1	.2	.1									31	31		1				
62/ 61			.1	.1	.8	.6	.8	.3										24	24		6				
60/ 59			.2	1.1	1.4	1.9	1.1	.2										54	54		8				
58/ 57		.1	.9	1.9	1.3	.9	.6											51	51		8				
56/ 55	.1	.7	2.0	1.8	1.9	1.0												67	67	18	7				
54/ 53	.4	.4	.8	1.9	1.6	1.4	.1											60	60	55	13				
52/ 51	.4	1.6	2.4	1.6	1.2	.4												69	69	90	26				
50/ 49	.2	2.7	2.2	2.2	1.8	.6												87	87	81	45				
48/ 47	.2	1.2	2.0	1.9	1.1	.2												60	60	103	47				
46/ 45	.9	3.0	4.3	2.6	1.3	.2												111	111	95	81				
44/ 43	.1	2.9	3.5	2.6	.4													85	85	85	60				
42/ 41	.6	4.2	3.7	.8	.2													79	79	103	109				
40/ 39	.6	3.3	1.2	.1														47	47	108	90				
38/ 37	.4	1.2	.6															20	20	91	98				
36/ 35	.4	.3	.1															8	8	28	108				
34/ 33	.2	.3																5	5	14	83				
32/ 31																					61				
30/ 29																					29				
28/ 27																					23				
26/ 25																					9				
24/ 23																					3				
22/ 21																					2				
20/ 19																					1				
TOTAL	4.7	22.0	23.4	18.6	14.7	8.9	5.1	1.8	.8									898		898	898				
																		898		898					
Element (X)	Σ X²			Σ X			X			°			No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.	4501282			61790			68.8			16.681			898			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb	2319256			45 60			50.2			8.057			898					2.9	.7			90			
Wet Bulb	1860738			40512			45.1			6.074			898									90			
Dew Point	1440523			35469			39.5			6.642			898					12.8				90			

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
8/ 87												.1						1	1				
6/ 85									.1		.1							2	2				
4/ 83									.1	.3	.1							5	5				
2/ 81									.1									1	1				
0/ 79									.2	.1								3	3				
78/ 77										.1		.1						2	2				
6/ 75										.4	.1	.1	.2					8	8				
4/ 73								.3	.3	.6	.7	.3						20	20				
72/ 71								.4	.3	.9	.3	.1						19	19				
70/ 69					.1	.3	.4	1.4	.7	.9								35	35	3			
68/ 67				.1	.2	.4	.3	1.1	.8									27	27	4			
66/ 65				.2	.3	1.6	1.0	.4										32	32	5			
64/ 63			.1	.1	.6	1.2	1.7	1.0	.2									44	44	1			
62/ 61			.1	.2	1.1	1.3	2.1	.8										51	51	12			
60/ 59		.1	.3	1.3	1.1	1.8	1.2	.7										59	59	13			
58/ 57		.2	1.2	1.4	1.1	1.4	.7	.3	.1									57	57	29			
56/ 55	.2	.4	1.0	.4	2.1	1.3	.9	.1										59	59	53			
54/ 53	.1	.7	.8	.7	1.8	1.1	.7	.1										53	53	89			
52/ 51		1.1	2.0	1.3	1.8	1.2	.2											69	69	89			
50/ 49		1.2	1.4	2.0	2.7	.6	.1											72	72	82			
48/ 47		.3	1.6	2.6	2.9	.2												68	68	88			
46/ 45	.1	2.7	2.3	3.2	2.1	.3												97	97	86			
44/ 43	.2	2.2	1.7	2.1	.4													60	60	97			
42/ 41	.4	2.1	2.0	.4	.1													46	46	107			
40/ 39		.2	.2															4	4	91			
38/ 37																				35			
36/ 35	.1	.3																4	4	12			
34/ 33																				2			
32/ 31																							
30/ 29																							
28/ 27																							
26/ 25																							
24/ 23																							
22/ 21																							
Element (X)	Σ x'																						

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 1200-1400
HOUR3 (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION HEIDELBERG AAF DL

68-70,74-80

YEARS

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MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
8/ 87											.3	.1						4													4				
6/ 85									.1	.2	.2							5													5				
4/ 83										.1								1													1				
2/ 81								.1										1													1				
7/ 79								.2	.1									3													3				
7/ 77							.1	.2	.2	.2		.1						8													8				
76/ 75								.7	.1	.8	.4		.1					19													19				
74/ 73						.1	.2	.9	.4	1.0	1.0	.3	.1					37													37				
72/ 71							.3	.6	.8	.7	.4							25													25				
7/ 69							.1	1.1	1.1	1.1								31													31	2			
63/ 67				.1		.4	.9	1.2	.8	.4								35													35	6			
66/ 65					.2	.4	1.9	.4	.2	.1								30													30	6			
74/ 63				.1	.3	1.3	2.4	.8	.1	.2								48													48	7			
62/ 61				.6	.9	.2	1.9	.7										38													38	11	1		
5/ 59			.4	.9	1.2	1.2	1.6	.6	.2									55													55	14	1		
5/ 57		.3	.4	1.2	.8	1.2	1.2	.7	.1									54													54	33	7		
56/ 55	.3	.2	.6	2.1	2.3	1.3	.3	.2	.1									68													68	75	11		
54/ 53		.9	1.0	.6	1.6	1.6	.4	.2										56													56	80	17		
52/ 51	.1	1.1	2.7	1.0	2.1	.9	.1											66													66	92	17		
50/ 49	.1	1.7	2.1	2.4	3.3	.8	.3											91													91	79	49		
48/ 47	.1	.6	1.1	2.3	1.7	.8												59													59	92	44		
46/ 45	.4	2.3	2.7	2.2	1.7	.2												80													80	102	77		
44/ 43	.1	1.8	1.7	1.2	.4													41													41	95	60		
42/ 41	.7	2.2	1.1	.1														37													37	107	115		
40/ 39	.1	.2	.2	.1														6													6	65	105		
38/ 37		.1																1													1	26	75		
36/ 35																																6	89		
34/ 33																																1	72		
32/ 31																																	68		
30/ 29																																	35		
28/ 27																																	25		
26/ 25																																	10		
24/ 23																																	15		
22/ 21																																	2		
Element (X)	Σ X'					Σ X					X					No. Obs.					Mean No. of Hours with Temperature														
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF OL

68-70, 74-80

APR

STATION

STATION NAME

YEARS

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PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 83										.1	.1							2	2		
2/ 81									.1	.1								2	2		
3/ 79										.2								2	2		
73/ 77									.1	.1								2	2		
76/ 75								.3	.1			.1						5	5		
74/ 73								.2	.2		.2							6	6		
72/ 71							.1	.2	.3	.4	.3	.3						16	16		
7/ 69					.1	.2	.3	.4	.6	.1								16	16		
68/ 67					.1	.4	.3	1.1	.7	.6								29	29	1	
66/ 65				.2	.1	.1	.8	1.4	.2	.2								28	28	3	
64/ 63				.2	.2	1.3	1.3	.3	.3									34	34	7	
62/ 61				.2	.6	1.3	1.7	.9	.1									43	43	7	
6/ 59			.2	.8	1.4	2.0	1.3	.6	.1									58	58	9	
58/ 57			.6	1.2	.9	1.2	.6	.1										39	39	14	3
56/ 55	.1	.6	.7	2.3	2.3	.7	.3	.4										67	67	29	10
54/ 53	.3	.9	1.9	1.7	1.9	.7	.2	.1										69	69	66	13
52/ 51	.2	1.7	2.2	1.1	.9	1.0	.1											65	65	89	23
5/ 49	.2	1.2	1.7	1.6	.8	1.0												58	58	107	29
48/ 47	.1	1.9	2.2	1.8	2.0	.9												80	80	104	49
46/ 45	.3	2.6	2.7	3.3	1.1	.3												93	93	85	90
44/ 43	.2	2.6	2.8	2.3	.4	.1												76	76	83	52
42/ 41	1.2	3.8	2.2	1.2	.2													78	78	107	132
4/ 39	.7	1.0	.8															22	22	14	102
38/ 37		.6	.2															7	7	59	94
36/ 35	.1	.2																3	3	21	63
34/ 33																				5	67
32/ 31																					70
3/ 29																					44
28/ 27																					27
26/ 25																					16
24/ 23																					11
22/ 21																					1
2/ 19																					3
16/ 15																					1
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

YEARS

APP

MONTH

1600-2100
HOURS (L.S.T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70,74-80

APR

STATION

STATION NAME

YEARS

MONTH

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21.0-23.0

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
74/ 73									.1									1	1				
72/ 71							.1	.1										2	2				
70/ 69						.2	.1											3	3				
68/ 67					.3	.3	.2	.1										9	9				
66/ 65					.3		.4	.1	.1									9	9				
64/ 63			.3	.2	.7	.3	.4	.3	.1									22	22				
62/ 61				.2	.3	.6	.7	.1										17	17	1			
60/ 59		.2	.2	.6	1.2	1.1	1.3	.4										46	46	12			
58/ 57			.3	1.3	1.3	2.2	.9											55	55	10	1		
56/ 55		.6	.9	1.3	1.6	.3		.2										44	44	17	4		
54/ 53	.3	.7	2.9	2.2	1.4	.4												72	72	26	10		
52/ 51	.7	1.4	2.4	1.1	.7	.6	.1											63	63	57	22		
50/ 49	.3	3.2	1.7	1.1	.8	.1												65	65	99	33		
48/ 47	.1	1.9	2.6	1.7	.2	.1												59	59	125	56		
46/ 45	.7	3.7	2.9	1.8	.8	.2												90	90	79	86		
44/ 43	.8	4.1	3.8	2.3		.2												98	98	83	67		
42/ 41	1.1	5.8	3.3	2.6	.2													117	117	93	111		
40/ 39	1.1	3.8	2.4	.6	.1													72	72	107	105		
38/ 37		1.7	1.1	.1														26	26	91	88		
36/ 35		1.9	.6	.2														24	24	64	80		
34/ 33	.1	.3	.1															5	5	29	72		
32/ 31																				4	70		
30/ 29																				2	36		
28/ 27																					34		
26/ 25																					10		
24/ 23																					9		
22/ 21																					4		
20/ 17																					1		
TOTAL	5.2	29.3	25.6	17.0	10.0	6.8	4.3	1.4	.3									899	899	899	899		
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	4907202		64736		72.0		16.539		899		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	2163115		43537		48.4		7.804		899						1.5		.1						90
Wet Bulb	1776829		39591		44.0		6.088		899				.6										90
Dew Point	1411831		35105		39.0		6.758		899				16.4										90

USAFETAC FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

611

ALL
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 64

USAFETAC

PSYCHROMETRIC SUMMARY

<u>3446</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

MAY
MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

[illegible]

(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22
72/ 71								.1				
70/ 69					.1		.2	.1				
68/ 67			.1		.1	.2						
66/ 65			.1		.1	.1	.1					
64/ 63		.2	.3	.3	.9	1.0						
62/ 61		.5	.6	.8	1.1							
60/ 59		.8	1.1	1.7	1.3							
58/ 57	.4	1.7	2.4	1.1	1.1	.2						
56/ 55	1.9	4.4	1.8	1.7	1.7							
54/ 53	1.4	2.7	3.2	1.9	1.8	.2						
52/ 51	3.3	4.0	1.9	.4	.4	.1						
50/ 49	2.4	4.8	2.9	.5	.1	.2						
48/ 47	1.8	7.0	1.8	.2	.4							
46/ 45	3.4	5.4	1.3	.3	.3							
44/ 43	.9	2.7	.4	.3								
42/ 41	1.4	3.1	1.1									
40/ 39	1.1	1.7	.5									
38/ 37	1.1	1.3										
36/ 35		.8										
34/ 33	.2	.2										
32/ 31	.1											
30/ 29												
TOTAL	19.2	41.3	19.7	9.4	7.8	2.0	.3	.2				

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

YEARS

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MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
4/ 73						.2												2	2				
2/ 71				.1				.1										2	2				
7/ 69			.1		.1	.1		.1										4	4				
6 1/ 67			.1		.1	.4		.1										7	7				
6/ 65			.2	.1	.1	.1	.2											7	7	3			
4/ 63		.3	.5	.9	1.2	.9												35	35	4	3		
2/ 61		.3	.9	1.7	1.7	.1	.1											38	38	6	2		
1/ 59		1.3	2.7	2.6	1.4	.5	.1											80	80	15	9		
3/ 57		3.2	2.6	2.8	1.4	.3	.1											97	97	45	11		
5 1/ 55	.5	4.0	2.6	2.5	.9	.1	.1											99	99	94	37		
4/ 53	1.2	3.8	4.8	1.6	.4	.2	.2											114	114	105	77		
2/ 51	1.4	4.9	3.5	1.3	.4	.2												110	110	116	83		
3 1/ 49	1.2	4.7	2.7	.6	.1	.2												89	89	163	111		
4 1/ 47	1.2	4.3	2.2	.2														72	72	113	110		
4 1/ 45	1.5	4.9	1.2	.6	.3													80	80	108	172		
4 1/ 43	.4	1.8	.8	.2														30	30	60	61		
2/ 41	.6	2.7	1.7															40	40	37	89		
4 1/ 39	.3	.9	.1															12	12	30	50		
3 1/ 37	.4	.3																7	7	23	36		
3 1/ 35		.4																4	4	4	22		
3 1/ 33		.1																1	1	4	18		
2/ 31																					5		
1/ 29																					11		
3/ 27																					3		
TOTAL	8.8	38.1	25.8	15.3	7.4	3.4	.9	.3										930	930	930	930		
			</																				

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AY

MAY

MONTHS

C900-1100

HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY
MONTH

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
8/ 87									.2		.2							4	4					
6/ 85								.1	.2	.1	.1							5	5					
4/ 83									.3	.3	.1	.1						8	8					
2/ 81							.1	.5	.1	.2	.5							14	14					
1/ 79					.1	.1	.2	.4	.4	.5	.6							23	23					
7- / 77						.2	.2	.6	1.1	.6								26	26					
76/ 75						.3	.8	1.9	.6	.1	.2	.1						38	38					
74/ 73							1.2	2.2	1.5	.1		.2						48	48	1				
72/ 71				.3	.6	.5	1.2	1.9	.6	.3	.1							53	53	4				
7- / 69				.1	.4	1.8	3.0	1.3	.6	.5								73	73	5				
66/ 67			.1	.2	1.2	2.0	1.4	1.1	.6	.2								64	64	17	1			
66/ 65			.1	.3	1.8	1.9	1.9	.3	.3	.1								64	64	16	1			
64/ 63			.6	1.7	1.8	4.7	1.3	.9	.8	.1								111	111	29	7			
62/ 61		.1	1.3	1.3	1.5	1.2	.8	.4	.2									60	60	77	7			
60/ 59		.6	1.6	2.5	1.7	2.9	.8	.3										97	97	91	22			
58/ 57	.1	1.0	1.0	2.0	2.3	.8	.4											70	70	145	20			
56/ 55		1.1	1.3	1.8	.3													42	42	109	55			
4/ 53		.9	1.2	.6	.5	.2												32	32	114	83			
72/ 51	.4	.8	1.2	1.3	.2	.1												37	37	103	105			
5- / 49	.4	.8	.1	.6	.1													19	19	99	85			
48/ 47	.1	.4	.9	.5														18	18	45	100			
46/ 45	.2	.3	.6	.3														14	14	42	144			
44/ 43		.2	.3															5	5	17	72			
42/ 41		.5																5	5	11	84			
40/ 39																				5	54			
38/ 37																					30			
36/ 35																					22			
34/ 33																					12			
32/ 31																					10			
30/ 29																					8			
28/ 27																					6			
26/ 25																					2			
TOTAL	1.3	6.7	10.0	13.8	12.7	16.9	13.2	12.0	7.7	3.3	1.9	.4						930	930	930	930			
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3260096		52676		56.6		17.251		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	3886334		59557		64.0		8.877		930						35.6		16.6		4.1				93	
Wet Bulb	2432009		51039		54.9		5.772		930						2.7		.1						93	
Dew Point	2100274		43746		47.1		6.766		930				2.6		.1								93	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80
YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91											.1							1	1		
89/ 89							.1		.1	.1	.5							8	8		
87/ 87							.1				.3							4	4		
86/ 85										.4	.1	.1	.2	.1				9	9		
84/ 83									.4	.1	.1	.1	.1					8	8		
83/ 81						.2	.2	.1	.3	.8	.9	.2						25	25		
81/ 79						.1		.1	.2	.8	.8	.1						19	19	1	
79/ 77				.1			.2	.3	1.4	1.0	.2							30	30		
76/ 75						.2	.9	2.5	1.4	.5		.1						52	52	1	1
74/ 73					.2	.5	1.2	1.8	1.5	.5	.5							59	59	1	
72/ 71			.1	.3	.8	.9	1.2	1.4	1.2	.4	.1							59	59	5	
71/ 69				.1	.3	2.6	1.8	1.9	.8	.2	.2							74	74	14	2
68/ 67				.3	1.5	1.4	1.6	1.4	.3	.2								63	63	9	1
66/ 65		.1	.1	1.0	1.3	2.3	1.4	.6	.8	.3								73	73	18	3
64/ 63		.3	.2	1.3	1.2	3.9	1.9	.8	.4	.3								96	96	45	9
62/ 61		.3	1.1	1.0	2.3	1.2	.8	.3	.1									65	65	107	3
59/ 59	.1	.2	2.0	1.8	2.4	1.4	.9	.2										84	84	89	26
53/ 57		.4	1.2	1.2	1.7	.5	.1											48	48	115	33
56/ 55	.2	1.5	.6	.6	.2	.4												34	34	125	47
54/ 53		.8	1.3	1.3	.9	.3	.1											43	43	119	81
52/ 51	.2	1.2	1.6	.2	.1													31	31	99	85
50/ 49	.4	.4	.6	.8														21	21	80	116
48/ 47	.2		.2	.2														6	6	53	92
46/ 45	.2	.2	.8	.1														12	12	24	135
44/ 43		.1	.2															3	3	12	86
42/ 41		.3																3	3	9	71
40/ 39																				4	45
38/ 37																					32
36/ 35																					23
34/ 33																					18
32/ 31																					8
30/ 29																					8
28/ 27																					1
26/ 25																					4
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL 68-70,74-80 MAY
STATION STATION NAME YEARS
PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
8/ 87										.2	.1							3	3						
6/ 85									.2	.1			.1					4	4						
4/ 83								.1	.2			.3						6	6						
2/ 81							.1	.2	.2	.1	.1	.1						8	8						
7/ 79					.1		.1	.3	.1	.2								8	8						
7-1/ 77					.1		.2	.2	.9	.5	.3							21	21						
6/ 75					.2	.1	.3	.5	.8	.5								23	23						
4/ 73			.1	.3			.5	1.3	.9	.2								31	31						
2/ 71				.5	.3	.3	1.5	.6	.5	.1								34	34	2					
7/ 69			.1	.3	1.2	1.3	2.3	1.3	.4									64	64	7					
6-6/ 67			.1	.1	1.5	1.1	1.8	1.3	.4	.1								60	60	11	1				
6/ 65			.1	1.3	1.5	1.7	2.5	.2	.8									72	72	8	1				
4/ 63		.2	.8	1.8	2.4	2.8	1.6	.9	.3									100	100	21	5				
2/ 61		.1	1.7	1.9	2.6	1.4	.9	.5										78	78	61	11				
7/ 59		.5	3.3	1.9	1.7	2.8	.5	.4	.1									103	103	80	14				
6-5/ 57		1.3	1.7	1.3	2.3	1.6	.3	.1										75	75	117	35				
5-4/ 55	.2	1.2	.9	2.2	.6	.2	.1											50	50	128	40				
4/ 53	.5	2.4	2.0	.8	.4	.1	.1											59	59	133	74				
2/ 51	.6	1.8	1.9	1.2	.2													54	54	93	102				
5/ 49	.3	1.4	1.3	.5	.2													32	32	119	109				
6-8/ 47	.1	.5	.6	.3														15	15	76	85				
4-6/ 45	.2	.5	1.4	.3														23	23	34	138				
4/ 43		.1	.2															3	3	17	95				
2/ 41		.4																4	4	16	79				
4/ 39																				7	52				
3-8/ 37																					30				
7-6/ 35																					23				
3-4/ 33																					21				
2/ 31																					8				
7-1/ 29																					3				
3-6/ 27																					1				
2-5/ 25																									
TOTAL	2.7	10.2	14.8	13.8	15.7	13.4	12.9	7.7	6.0	2.0	.8	.4	.1					930	930	930	930				
Element (X)	Σx'			Σx			Σ	Σ _n	No. Obs.			Mean No. of Hours with Temperature										Total			
Ref. Num.	3725516			56470			60.7	17.869	930			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	3639000			57638			62.0	8.480	930						26.2	10.4	2.4					93			
Wet Bulb	2742468			50234			54.0	5.594	930						2.0					93					
Dew Point	2096384			43728			47.0	6.588	930						1.5	.1					93				

USAFETAC FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70,74-80

YEARS

MAY

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
91																		1	1	
89																		8	8	
87																		11	11	
85																		18	18	
83																		22	22	
81																		52	52	
79																		53	53	1
77																		91	91	
75																		134	134	1
73																		162	162	2
71																		191	191	11
69																		289	289	27
67																		293	293	46
65																		312	312	63
63																		594	594	134
61																		481	481	315
59																		720	720	426
57																		645	645	696
55																		595	595	870
53																		606	606	967
51																		555	555	867
49																		477	477	980
47																		357	357	700
45																		352	352	562
43																		144	144	284
41																		155	155	225
39																		71	71	132
37																		32	32	92
35																		13	13	24
33																		5	5	14
31																		1	1	1
29																				
27																				
25																				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) MAY 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAY

MONTH

ALL

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUN

MONTH

0000-0200

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH
0300-0500
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 C910-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
91/ 91														.1				1	1					
89/ 89														.1				1	1					
87/ 87											.1	.2						3	3					
86/ 85									.1		.2	.2						5	5					
84/ 83								.2	.1			.1						4	4					
83/ 81						.1	.2	.7	.4	.4								17	17					
81/ 79						.9	.4	.7		.3								21	21					
79/ 77					.2	.9	1.9	1.3	.6	.2								46	46					
76/ 75				.1	1.2	1.9	1.9	.3	.6	.1								55	55					
74/ 73				.6	1.0	3.0	3.0	1.0	.1	.1								79	79					
72/ 71			.6	.6	1.2	2.6	1.1	.3										57	57	5				
70/ 69			.4	1.3	3.1	2.4	1.7	.3	.1	.1								80	80	12				
68/ 67			.8	1.1	2.6	1.3	1.1		.2									64	64	50	2			
66/ 65	.1	.6	1.0	3.2	2.1	1.7	.6	.2	.1									86	86	74	12			
64/ 63	.2	1.3	2.6	3.3	3.0	1.6	.3	.1										109	109	124	43			
62/ 61		.3	2.2	2.1	1.4	.4	.3											62	62	142	52			
60/ 59	.2	1.1	1.0	1.7	1.3	.7	.2											56	56	104	84			
58/ 57	.2	2.1	1.4	2.0	.6	.3												60	60	101	115			
56/ 55	.2	.7	1.9	1.4	.1	.1												40	40	86	139			
54/ 53	.2	.9	1.0	.4	.3													26	26	71	87			
52/ 51	.3	.7	.6	.4														18	19	61	83			
50/ 49		.2	.1	.1														4	4	42	85			
48/ 47	.1	.4																5	5	13	65			
46/ 45		.1																1	1	15	63			
44/ 43																					18			
42/ 41																					27			
40/ 39																					13			
38/ 37																					5			
36/ 35																					5			
34/ 33																					1			
32/ 31																					1			
TOTAL	1.7	8.4	13.6	18.1	18.2	17.9	12.3	5.0	2.3	1.3	.3	.6		.2				900		900	900			
																		900		900				
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3937069		57993		64.4		14.923		900		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	4039812		59878		66.5		7.897		900						43.3		23.2		3.6				91	
Wet Bulb	3159594		53096		59.0		5.497		900						6.7								90	
Dew Point	2599715		48255		53.4		6.136		900				.1		.2								90	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70,74-80

JUN
MONTH

PAGE 1 1270-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 95															.1		.1	2	2		
64/ 93														.4		.1		5	5		
67/ 91												.1	.2		.1			5	5		
71/ 89									.1		.6	.2	.1					9	9		
78/ 87										.2	.8	.2						11	11		
80/ 85								.3	.2	.2	.2	.1						10	10		
84/ 83							.7	1.0	.4	.7	.4							26	26		
87/ 81						.3	.9	2.6	2.7	.9	.3							69	69		
91/ 79						.8	.8	2.0	1.2	.9	.4	.2						57	57		
97/ 77					.4	1.0	2.6	2.2	1.6	.6	.6							80	80		
106/ 75				.1	.2	1.4	2.7	.7	.4	.3	.1							54	54	1	
114/ 73				.6	.6	1.9	2.4	2.7	.2	.3								72	72	2	
121/ 71			.6	.2	.8	1.7	1.8	.7	.1	.2								54	54	18	
127/ 69			.4	.4	1.3	2.3	1.4	.6	.2									58	58	38	
136/ 67		.1	.8	1.3	1.3	1.2	1.1	.7	.2									61	61	93	5
146/ 65		.1	.7	1.3	1.1	.7	1.7	.2										52	52	93	15
154/ 63		1.1	1.4	1.4	1.8	3.0	.2	.1										81	81	113	37
161/ 61		.8	.8	1.1	1.9	.3	.3	.3										50	50	113	53
167/ 59	.1	1.3	.9	1.1	1.2	1.3	.4	.1										62	62	103	94
171/ 57	.2	.9	1.3	.6	.2	.2	.1											29	29	74	114
180/ 55		.9	.8	.4														19	19	91	105
184/ 53		.8	.8	.2	.2													18	18	79	89
192/ 51		.8	.2	.1														10	10	45	77
197/ 49	.1	.2																3	3	26	64
203/ 47		.2																2	2	14	60
207/ 45		.1																1	1	7	70
214/ 43																					28
222/ 41																					42
231/ 39																					6
240/ 37																					12
250/ 35																					4
261/ 33																					1
273/ 31																					4
Element (X)	Σ X'		Σ X		X		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

1200-1400
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34-46 HEIDELBERG AAF DL

68-70, 74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
10/ 99																.1		1	1		
06/ 95															.1	.8	.3	.2	13	13	
04/ 93																.1			1	1	
02/ 91											.1	.1	.1	.2					5	5	
01/ 89										.1	.3	.2	.1	.1					8	8	
08/ 87									.3	.4	.3	.6							15	15	
06/ 85									.7	.2	.6	.6							18	18	
04/ 83								.4	.4	.7	1.8	.8	.1	.2					40	40	
02/ 81						.2	1.0	2.1	4.4	1.4	.2	.1							86	86	
01/ 79						.6	1.2	1.2	1.0	1.7	.3	.2							56	56	
07/ 77					.6	.7	2.0	1.1	2.3	.4	.4	.1							69	69	
06/ 75				.1	.6	1.0	2.4	1.7	.2	.1	.3								58	58	
04/ 73				.6	.8	.7	1.7	1.7	.4	.3									55	55	2
02/ 71			.7	.4	.4	1.0	1.9	.8	.2	.2									51	51	21
01/ 69		.1	.6	.2	1.3	2.0	1.3	1.2	.3										64	64	39
00/ 67			.4	.8	1.9	1.1	1.7	.3	.1										57	57	91
06/ 65		.3	.4	1.8	1.1	2.1	1.4		.4										69	69	122
04/ 63		1.0	1.4	2.3	2.3	2.0	.3												82	82	95
02/ 61	.1	.8	1.0	.9	1.1	.4	.1												40	40	126
01/ 59	.1	.7	.6	1.1	1.4	.9	.2	.2	.1										48	48	98
00/ 57		.3	.4	1.1	.2	.2													21	21	81
05/ 55	.2	.6	.3	.7	.2														18	18	86
04/ 53		.9	.7	.1	.1														16	16	61
02/ 51	.1	.6																	6	6	39
01/ 49		.1																	1	1	26
00/ 47		.2																	2	2	10
04/ 45																					3
04/ 43																					
02/ 41																					
00/ 39																					
03/ 37																					6
00/ 35																					2
04/ 33																					2
02/ 31																					3
Element (X)	Σx ²		Σx		Σ		Σ _g		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

34 346

HEIDELBERG AAF DL

68-70, 74-80

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

1500-1700
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION HEIDELBERG AAF DL 68-70,74-80 YEARS JUN MONTH
PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
66/ 95															.1			1	1			
64/ 93															.2			2	2			
62/ 91												.1	.1	.1	.2			4	4			
60/ 89											.1	.1		.1				3	3			
58/ 87										.1		.1	.2					4	4			
56/ 85								.1	.3	.4	.2	.3	.1					14	14			
54/ 83								.2	.1	.2	.4							9	9			
52/ 81						.2	.1	.4	1.0	1.2	.3	.1						31	31			
50/ 79						.3	.4	1.4	1.1	.2	.1							33	33			
48/ 77					.2	.9	2.8	1.7	2.6	.7	.2							81	81			
46/ 75				.1	.6	1.1	2.1	1.7	.8	.2								59	59			
44/ 73				.4	1.1	1.7	2.4	1.1	1.0	.1								70	70	1		
42/ 71			.8	.6	1.2	1.8	1.8	.3	.2	.1								61	61	4		
40/ 69		.3	1.1	.6	.9	1.4	1.3	.7	.3	.1								58	58	16		
38/ 67		.3	.4	.3	2.1	1.7	.9	.4	.3									53	53	58	3	
36/ 65			1.2	1.8	1.3	1.2	1.6	.2	.1									65	65	99	11	
34/ 63	.1	1.6	2.2	2.8	2.1	3.2	.2	.2	.1									112	112	105	36	
32/ 61	.1	2.1	1.9	1.7	1.1	.2												63	63	135	37	
30/ 59	.4	.7	1.8	1.3	1.2	.3	.3	.1										56	56	116	90	
28/ 57	.2	1.3	1.2	1.7	.6	.3	.1											49	49	88	118	
26/ 55	.4	.9	.7	1.1	.3	.1												32	32	93	103	
24/ 53	.4	.7	.7	.1														17	17	80	94	
22/ 51	.3	1.1	.3	.1														17	17	50	97	
20/ 49		.3																3	3	33	95	
18/ 47	.1	.1																2	2	17	49	
16/ 45	.1																	1	1	5	84	
14/ 43																					32	
12/ 41																					23	
10/ 39																					7	
8/ 37																					7	
6/ 35																					9	
4/ 33																					2	
2/ 31																					2	
0/ 29																					1	
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) 10-64

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

— 1118 —

1000 - 200
HOURS (L - S - T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80
YEARS

JUN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
100/99																.0	.0	1	1		
96/95															.0	.0	.0	16	16		
94/93															.1	.0	.0	8	8		
92/91											.0	.0	.1	.1	.0	.0		15	15		
90/89									.0	.0	.1	.1	.0	.0				21	21		
88/87									.0	.1	.2	.1	.0					33	33		
86/85								.1	.1	.2	.2	.1	.0					47	47		
84/83							.1	.2	.2	.3	.2	.0	.0					79	79		
82/81						.1	.3	.7	1.1	.5	.1	.0						208	208		
80/79						.3	.4	.7	.5	.4	.1	.1						178	178		
78/77				.2	.4	1.2	.9	1.0	.2	.2	.0							296	296		
76/75			.1	.4	.8	1.3	.7	.3	.1	.1								260	260	1	
74/73			.4	.7	1.0	1.4	.8	.2	.1									335	335	5	
72/71		.4	.4	.8	1.2	.9	.3	.1	.1									297	297	48	
70/69	.1	.6	.6	1.4	1.5	.7	.4	.1	.0									394	394	106	
68/67	.1	.9	1.3	1.8	1.1	.7	.2	.2										439	439	319	18
66/65	.8	1.1	1.9	1.3	.9	.7	.1	.1										501	501	485	65
64/63	.3	2.2	2.4	2.8	1.6	1.5	.2	.1	.0									798	798	671	264
62/61	.3	2.4	2.2	1.6	1.7	.3	.1	.0										578	578	901	382
60/59	.7	3.1	2.5	1.6	1.1	.7	.2	.1	.0									711	711	910	650
58/57	.4	3.0	2.1	1.2	.5	.2	.0											534	534	812	836
56/55	.7	3.1	1.6	.9	.2	.0												473	473	806	931
54/53	.7	2.3	1.4	.3	.2	.0												358	358	743	865
52/51	.7	1.6	.9	.3	.7	.0												250	250	534	771
50/49	.6	1.3	.4	.1	.0													172	172	406	734
48/47	.3	.8	.2	.0	.0													93	93	241	495
46/45	.3	.6	.1															72	72	139	539
44/43	.0	.2	.0	.0														20	20	45	222
42/41		.1	.1															9	9	11	239
40/39		.0																1	1	9	77
38/37		.0																1	1	3	53
36/35		.0																2	2	1	27
34/33																				2	14
32/31																					15
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

<u>3046</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

JUN
MONTH

PAGE ?

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80
YEARS

JUL
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
61 / 51							.1	.1	.1	.3	.1	.1						2	2		
79 / 79						.1	.2	.3	.4	.1	.2	.2						8	8		
77 / 77					.1	.5	.2	.1	.2	.2	.1							15	15		
75 / 75		.1	.1	.2	.1	.5	.2	.1	.2	.2	.1							18	18		
74 / 73		.2	.2	.5	.2	.9	.3	.3		.1								26	26	1	1
72 / 71		.4	.4	.6	1.5	.5	.4	.1										38	38	3	3
69 / 69	.1	.1	1.2	.8	.8	.4	.4											35	35	13	4
67 / 67		.5	1.7	1.8	.8	.1	.2											48	48	19	5
66 / 65	.5	2.3	1.7	2.7	.3	.1	.1											72	72	42	15
64 / 63	.6	4.1	4.4	3.4	.4													121	121	95	41
62 / 61	.9	3.9	4.2	1.7	.1													100	100	122	65
59 / 59	2.2	4.8	5.5	1.6	.2													133	133	134	130
56 / 57	.4	5.6	2.4	1.0	.1													88	88	132	107
50 / 55	1.5	6.9	2.8	1.4														117	117	126	146
47 / 53	1.9	2.9	2.0	.1														65	65	111	159
42 / 51	.3	1.9	1.0															30	30	66	61
57 / 40	.2	.6																8	8	50	73
40 / 47		.4																4	4	12	47
40 / 45		.1																1	1	3	35
44 / 43	.1																	1	1	1	12
42 / 41																					4
40 / 39																					2
TOTAL	9.8	34.9	27.6	15.9	4.6	2.9	2.2	1.1	.6	.6	.5	.1						930	930	930	930

PSYCHROMETRIC SUMMARY

3: 4c
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-87

YEARS

JUL
MONTH

PAGE 1

0000-1500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80

YEARS

JUL

MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
97														.1		.1		2	2	
95													.1	.4	.6	.2	.1	14	14	
93										.1	.1	.1	.1	.6	.2			12	12	
91										.2	.3	.3	.2	.2				12	12	
89								.2	.6	.3	1.2	.3	.3	.1				29	29	
87							.1	.1	1.4	.9	.9	.6	.4					41	41	
85						.2	.2	.4	.8	1.7	.6	.1	.1					39	39	
83				.1	.1	.3	.3	.8	1.3	1.4	.3							43	43	
81					.2	.4	.8	2.2	2.7	2.0	.6		.1					84	84	
79			.1			1.0	1.0	1.7	2.0	.5	.3							62	62	1
77				.3	.6	1.9	1.3	1.6	.3									57	57	1
75			.1	.5	.6	1.4	1.3	.4										41	41	12
73			.8	.6	1.0	1.5	1.6	.4	.1									56	56	24
71		.4	.4	1.1	1.1	2.4	1.0	.4										63	63	36
69		.5	.5	.9	2.3	1.6	.5											59	59	72
67	.1	1.6	.8	1.7	1.2	1.6	.4											69	69	104
65	.6	.8	.8	1.2	1.8	1.3												60	60	129
63	.1	1.6	2.5	2.4	2.1	1.4	.2											95	95	103
61	.3	1.6	1.8	.4														39	39	116
59	.1	1.1	.8	.4	.2													24	24	108
57	.1	1.5	.2	.4														21	21	94
55	.2	.4																6	6	92
53		.1	.1															2	2	33
51																				5
49																			1	97
47																				49
45																				52
43																				17
41																				9
39																				1
TOTAL	.5	5.8	8.5	8.6	9.4	11.9	14.3	11.5	11.7	7.6	4.4	1.5	1.4	1.5	.9	.3	.1	930	930	930
Element (X)	Σ x ²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	3050351		50681		54.5		17.621		930		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F	
Dry Bulb	5202601		68983		74.2		9.609		930						68.3		49.2		30.0	
Wet Bulb	3704682		58488		62.9		5.326		930						24.9		3.7			
Dew Point	2872057		51379		55.2		6.010		930						2.7		.1			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1600-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb		Dew Point		
66/ 95													.1		.2	.1		4	4				
64/ 93															.1			1	1				
62/ 91										.1					.6			7	7				
60/ 89									.1	.3	.1		.2	.1	.1			9	9				
58/ 87								.4	.8	.5	.3	.2	.3		.1			25	25				
56/ 85						.1	.1	.6	.3	.6	.6							23	23				
54/ 83						.1	.1	.8	.8	.9	.5			.1				30	30				
52/ 81				.2		.6	.8	1.1	1.6	.3		.1						44	44				
50/ 79				.2	.1	1.2	1.3	1.6	1.3	.6	.2							61	61				
48/ 77				.5	.5	1.2	2.8	2.4	1.5									78	78				
46/ 75				.2	.5	1.6	1.8	1.4	.2									54	54	3			
44/ 73				.3	.8	1.9	2.3	.8	.2									58	58	16			
42/ 71			.2	.5	1.7	1.3	2.4	.3	.1									61	61	25	4		
40/ 69		.3	1.0	1.3	1.1	2.7	.5	.3										64	64	47	6		
38/ 67		.3	1.5	1.1	2.2	1.3	1.4	.1										73	73	80	7		
36/ 65	.1	.6	1.1	1.5	1.8	1.7	.6											70	70	124	31		
34/ 63	.4	1.3	2.2	2.6	2.6	2.3	.2											107	107	126	58		
32/ 61		1.4	1.3	1.6	1.6	.1	.1											57	57	128	67		
30/ 59	.1	1.2	2.1	1.1	.8													48	48	116	119		
28/ 57		2.2	1.3	.1														30	30	84	107		
26/ 55	.3	1.3		.2														18	18	106	107		
24/ 53	.2	.4																6	6	58	136		
22/ 51		.1																1	1	13	92		
20/ 49																				3	86		
18/ 47																					46		
16/ 45																					42		
14/ 43																					13		
12/ 41																					5		
10/ 39																					1		
8/ 37																					1		
6/ 35																					1		
4/ 33																					1		
INITIAL	1.2	9.1	11.3	10.7	13.7	16.1	14.4	9.8	6.9	3.4	1.8	.3	.6	.9	.5	.1		929	929		929		
																		929		929			
Element (X)	Σx ²		Σx		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	3626992		55862		60.1		16.992		929		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	4759306		65990		71.0		8.797		929						59.3		39.4		17.8		.5		93
Wet Bulb	3567824		57372		61.8		5.161		929						17.1		1.9						93
Dew Point	2874570		51406		55.3		5.689		929						1.7								93

PSYCHROMETRIC SUMMARY

<u>34.46</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70,74-80

YEARS

JUL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
8/ 97														.0		.0	.0	2	2			
6/ 95													.1	.1	.1	.1	.0	24	24			
4/ 93										.0	.0	.0	.1	.1	.1			24	24			
2/ 91										.0	.1	.1	.1	.1	.0			28	28			
1/ 89								.0	.1	.1	.2	.1	.1	.0	.0			50	50			
8/ 87							.0	.1	.3	.2	.3	.2	.1		.0			97	97			
6/ 85						.1	.1	.2	.3	.4	.3	.0	.0					108	108			
4/ 83				.1	.1	.1	.1	.4	.4	.5	.2	.0	.0	.0				131	131			
2/ 81				.0	.1	.3	.4	.8	1.0	.5	.2	.1	.0					253	253			
1/ 79				.1	.1	.5	.6	.9	.7	.3	.1							240	240	1		
7-1/ 77				.1	.3	.7	1.5	1.0	.7	.1	.1							346	346		1	
6/ 75	.0	.0	.1	.2	.5	1.0	.9	.6	.2	.1	.0							270	270	23	1	
4/ 73		.1	.1	.5	.6	1.2	1.2	.7	.2	.1								332	332	66	1	
2/ 71		.1	.4	.5	1.6	1.0	1.2	.3	.1									393	393	120	15	
1/ 69	.1	.2	1.0	1.1	1.2	1.5	.6	.2	.0									448	448	270	51	
6-1/ 67	.1	.3	1.5	1.2	1.7	.8	.6	.1										472	472	451	82	
4/ 65	.2	1.3	1.4	1.7	1.2	.9	.4	.0										529	529	663	159	
2/ 63	.3	3.2	2.8	2.8	1.7	1.2	.1											902	902	844	404	
6-2/ 61	.4	2.7	2.8	1.7	.8	.1												642	642	991	552	
4-1/ 59	.9	3.1	3.1	1.7	.9	.0												695	695	944	1031	
2-2/ 57	.4	3.7	2.0	.8	.1													524	524	677	853	
6-3/ 55	1.1	3.2	1.1	.6	.0													446	446	910	969	
4-4/ 53	1.7	1.5	.8	.1														251	251	691	1050	
2-1/ 51	.3	1.2	.3															134	134	299	769	
5-1/ 49	.2	.4	.1															52	52	203	637	
4-8/ 47	.1	.3	.0															33	33	61	39	
4-0/ 45	.1	.1																11	11	22	324	
4-4/ 43	.0																	2	2	3	97	
4-2/ 41																					45	
4-1/ 39																					6	
3-8/ 37																					1	
3-4/ 33																					1	
TOTAL	5.4	21.3	17.4	13.2	10.5	9.4	7.8	5.5	4.0	2.3	1.4	.5	.5	.4	.2	.1	.0	7439	7439	7439	7439	
Element (X)	Σx'		Σx		X		σ _x		No. Obs.		Mean No. of Hours with Temperature										Total	
Ref. Num.	39066381		520461		70.0		18.886		7439		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				Total		
Dry Bulb	33656114		495446		66.6		9.412		7439				321.8	190.5	84.0	5.0				744		
Wet Bulb	26956233		445917		59.9		5.519		7439				93.1	9.0						744		
Dew Point	22957110		411260		55.3		5.449		7439				15.1	.3						744		

PSYCHROMETRIC SUMMARY

<u>34 46</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

AUG
MONTH

PAGE 1 0000-0260
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

YEARS

MONTH

0300-0500

900-056
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70, 74-80

YEARS

AUG
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31					Dry Bulb	Wet Bulb	Dew Point
71 / 77						.1	.1	.1													3	3		
61 / 75					.1	.1	.2														4	4		
41 / 73				.1	.4	.4	.3														12	12		
21 / 71			.5	.4	1.2																20	20		
1 / 69			.5	.8	.5	.2	.1														20	20		
61 / 67		.1	1.8	1.8	.8	.2	.2														46	46	10	
46 / 65	.2	2.5	2.7	1.1	.5	.1	.4														69	69	28	6
24 / 63	1.3	6.3	3.2	2.8	.8	.5	.2														159	159	110	52
12 / 61	1.3	7.6	3.3	1.0	.9	.2															133	133	128	85
2 / 59	2.6	8.5	4.5	2.2	.8	.1															173	173	144	166
43 / 57	2.4	5.9	1.4	.6	.1																97	97	150	137
53 / 55	1.6	4.8	1.2	.4																	75	75	134	127
47 / 53	1.4	2.6	1.7	.1																	54	54	101	120
37 / 51	1.1	2.0	.5	.1																	34	34	51	82
51 / 49	.6	.9	.1																		15	15	47	41
47 / 47		.2	.1																		3	3	13	52
45 / 45	.2	.8																			9	9	7	35
44 / 43		.3																			3	3	3	15
42 / 41		.1																			1	1	3	11
41 / 39																							1	1
TOTAL	12.6	44.6	21.7	11.3	6.0	2.0	1.6	.1													930	930	930	930
Element (X)	Σx'		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	6704175		78165		84.1		12.034		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total	
Dry Bulb	3428947		56239		60.5		5.496		930						10.5		1.9						93	
Wet Bulb	3105861		53571		57.6		4.640		930						1.0								93	
Dew Point	2877125		51513		55.4		5.062		930														93	

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0900-1100
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 40 HEIDELBERG AAF DL

68-70, 74-80

AUG
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
6/ 95													.1								1	1				
7/ 93												.1									1	1				
8/ 91										.2		.1									3	3				
9/ 89									.1	.8	.2	.2									12	12				
10/ 87								.1	.8	1.1	.4		.1								23	23				
11/ 85							.2	.3	.4	1.0	.4										22	22				
12/ 83						.1	.3	1.0	1.4	.4		.1									31	31				
1/ 81			.1			.4	1.0	1.3	1.9	.6	.8	.2	.1								60	60				
2/ 79						1.5	1.5	1.4	1.3	1.4	.3	.2									71	71				
3/ 77					1.0	1.6	3.5	2.3	2.5	.6	.4										111	111				
4/ 75				.1	.9	3.0	2.5	1.1	.2	.1	.1										74	74	1			
5/ 73				1.4	1.1	2.7	2.3	.8	.2	.1											79	79	10			
6/ 71			.3	1.0	2.3	1.9	2.3	.4	.1												77	77	31	1		
7/ 69			1.2	1.5	1.9	2.3	.4	.5	.2												75	75	77			
8/ 67			.6	1.1	2.6	.9	.5														53	53	87	7		
9/ 65		1.6	1.0	2.5	1.4	.5	.3														68	68	140	27		
10/ 63		1.4	1.5	1.9	1.5	1.5	.2	.2													77	77	145	82		
11/ 61		1.4	1.7	1.3	.8	.3															51	51	166	90		
12/ 59	.1	.6	.5	1.0	.2																23	23	111	158		
1/ 57		.6	.1	.1																	8	8	62	123		
2/ 55	.1	.6	.1																		8	8	63	121		
3/ 53	.1	.1																			2	2	29	90		
4/ 51																							7	76		
5/ 49																						1	53			
6/ 47																								45		
7/ 45																								27		
8/ 43																								14		
9/ 41																								11		
10/ 39																								3		
11/ 37																								1		
12/ 35																								1		
TOTAL	.3	6.5	7.1	11.9	13.5	16.8	15.1	9.4	9.1	6.3	2.8	.9	.3									930	930	930		
																						930	930			
Element (X)	Σ X ²			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature								Total		
Rel. Hum.	3343013			53835			57.9			15.620			930			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb	4984326			67700			72.8			7.747			930					69.3	48.8	19.0	.2					
Wet Bulb	3694345			58457			62.9			4.630			930					20.6	1.1							
Dew Point	2955510			52170			56.1			5.582			930					.8								

USAFETAC FORM 0-26-5 (OL A) AUG 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

ALLF

1950 175
NOV 5 11 5 31

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
6/ 95													.2	.1	.2			5	5					
4/ 93										.1		.1		.1				3	3					
1/ 91										.1	.4	.5						10	10					
1/ 89									.3	.1	.8	.6						17	17					
6/ 87								.1	.6	1.0	.5	.3						24	24					
6/ 85							.1	1.2	.8	1.3	.4	.2	.1	.1				39	39					
4/ 83							.4	1.1	.8	1.9	.2	.4		.1				46	46					
1/ 81						.1	1.1	1.9	1.9	.8	.8	.5	.1					67	67					
1/ 79						.9	1.7	2.2	1.8	1.5	.6	.2						83	83					
7/ 77				.4	1.7	2.4	3.3	2.4	1.6	.1								111	111					
6/ 75			.2	.5	2.5	1.7	1.5	1.0	.1									70	70	3				
4/ 73			1.3	1.4	1.7	2.2	1.4	.6		.1								78	78	7				
1/ 71		.3	.8	1.6	1.3	.8	.6											50	50	36				
1/ 69		.6	.8	2.7	2.7	.6	.2											65	65	83	1			
6/ 67	.1	1.4	.9	1.8	1.4	.8												59	59	92	7			
6/ 65	1.3	1.3	.9	1.2	.3	.4												47	47	140	22			
4/ 63	1.4	2.0	2.6	1.1	1.6	.5	.1											87	87	156	75			
2/ 61	.3	1.0	.9	.6	.6	.2												34	34	156	109			
1/ 59	.4	.6	.3	.4														17	17	107	122			
1/ 57	1.1	.1	.1															12	12	70	103			
5/ 55	.6																	6	6	46	119			
4/ 53																				24	129			
2/ 51																				9	63			
5/ 49																				1	52			
4/ 47																					56			
4/ 45																					41			
4/ 43																					17			
2/ 41																					7			
4/ 39																					3			
3/ 37																					3			
34/ 33																					1			
TOTAL	.3	5.9	7.0	8.1	11.8	13.8	12.7	13.7	10.2	8.5	4.0	3.0	.4	.4	.2			930	930		930			
Element (X)	Σx ²	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	3056013	51023	54.9	16.623	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	5176099	68955	74.1	8.262	930			72.7	55.3	25.4	.8	93												
Wet Bulb	3722561	58681	63.1	4.630	930			22.1	1.0			93												
Dew Point	2908403	51737	55.6	5.703	930			.8				93												

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF OL

68-70,74-80

AUG
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
4/ 93												.1	.1							2	2			
/ 91														.1						1	1			
/ 89									.1		.3	.1	.1							6	6			
8/ 87										.2	.2	.3								7	7			
6/ 85								.1	.3	.1	.2	.2	.1							10	10			
4/ 83								.2	.5	.6	.6	.2		.1						22	22			
/ 81							.2	.5	.6	1.2	1.1	.2	.1							37	37			
/ 79							1.2	.9	.8	.8	.1	.3	.2							39	39			
7 / 77					.9	1.6	2.4	1.5	.9	.6	.5									78	78			
6/ 75				.3	1.5	1.5	1.9	1.7	.6	.1	.1									73	73	1		
74/ 73					1.5	1.	2.0	1.6	.5	.3	.1									66	66	2		
72/ 71		.1	.3		1.2	1.2	1.7	2.2	1.2	.1										84	84	15		
/ 69	.1	.3	1.8	1.6	3.1	1.6	1.7	.2												91	91	50	3	
8 / 67		.1	1.8	1.5	2.5	1.2	.4	.1												71	71	84	7	
6/ 65			1.4	2.6	1.8	.5	.4	.4	.1	.1										69	69	110	25	
4/ 63	.2	2.5	1.9	3.1	1.6	1.6	.1	.1												103	103	149	93	
2/ 61	.2	1.7	2.7	.9	1.1	.4														65	65	154	77	
4 / 59	.6	2.6	1.7	1.3	.5	.1														64	64	130	145	
6 / 57		1.7	.3	.4																16	16	101	124	
5 / 55	.5	.8	.4	.4	.1															21	21	72	120	
4/ 53		.5																		5	5	33	94	
2/ 51																						2	70	
5 / 49																						6	55	
48/ 47																						1	45	
46/ 45																							39	
44/ 43																							14	
42/ 41																							12	
4 / 39																							5	
36/ 37																							1	
34/ 33																							1	
TOTAL	1.7	11.0	14.0	14.1	14.6	13.7	11.7	7.8	4.9	2.9	2.2	1.0	.3	.1						930	930	930	930	
Element (X)	Σ x'				Σ x				x				No. Obs.				Mean No. of Hours with Temperature							
Rel. Hum.	4047341				59201				63.7				17.323				930				≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Total			
Dry Bulb	4593359				64971				69.9				7.652				930				58.7 34.1 10.4 .2			
Wet Bulb	3553783				57325				61.6				4.673				930				15.2 .3			
Dew Point	2936378				51976				55.9				5.826				930				1.0			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70, 74-80

YEARS

AUG
MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 95										.0	.0	.0	.0	.0	.0			6	6			
6/ 93										.0	.1	.1	.0	.0	.0			6	6			
6/ 91										.0	.1	.1	.1	.0	.0			14	14			
6/ 89								.0	.1	.1	.2	.1	.0	.0	.0			35	35			
8/ 87								.0	.2	.3	.1	.1	.0	.0	.0			55	55			
6/ 85							.1	.2	.2	.3	.1	.0	.0	.0	.0			73	73			
4/ 83						.0	.1	.3	.4	.4	.1	.1	.0	.0	.0			107	107			
6/ 81				.0		.1	.4	.6	.7	.3	.2	.1	.0	.0	.0			185	185			
6/ 79						.6	.6	.7	.6	.4	.2	.1						231	231			
7/ 77				.0	.4	.8	1.4	1.1	.8	.4	.1							371	371			
6/ 75				.2	.6	1.3	1.2	.7	.3	.1	.0							317	317	5		
7/ 73				.3	.9	1.2	1.1	.5	.2	.0	.0							359	359	20		
6/ 71		.0	.5	.7	1.7	1.1	1.3	.4	.1		.0							403	403	92	1	
7/ 69	.0	.1	1.2	1.2	1.6	1.3	.4	.2	.1									453	453	256	4	
6/ 67	.0	.3	2.0	1.6	2.0	1.0	.6	.1										558	558	403	36	
6/ 65	.2	2.4	2.2	1.7	.9	.4	.4	.1	.0									618	618	657	164	
4/ 63	.8	4.5	3.5	2.8	1.1	1.1	.2	.1										1047	1047	1057	577	
6/ 61	.6	4.2	2.7	1.2	.8	.2	.0											718	718	1179	715	
6/ 59	1.3	4.4	2.6	1.3	.6	.1												764	764	1118	1183	
6/ 57	.9	2.9	.8	.6	.1													388	388	912	1042	
5/ 55	1.0	2.4	.7	.3	.0													331	331	770	1000	
4/ 53	.6	1.6	.5	.1														200	200	460	879	
2/ 51	.3	.7	.2															87	87	270	574	
5/ 49	.3	.3	.1															54	54	146	416	
6/ 47	.1	.2	.0															20	20	45	334	
4/ 45	.1	.3																31	31	30	295	
4/ 43	.0	.1																8	8	13	118	
2/ 41																		1	1	6	72	
6/ 39																				1	2	
3/ 37																					6	
5/ 35																					1	
3/ 33																					3	
TOTAL	6.1	24.3	17.1	12.4	10.7	9.3	7.4	5.0	3.6	2.3	1.1	.6	.1	.1	.0			7440	7440	7440	7440	
Element (X)	Σx'		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.	40648900		532210		71.5		18.6		16		7440		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	744			
Dry Bulb	33310960		493812		66.4		8.4		84		7440				317.3	175.9	60.2	1.2	744			
Wet Bulb	27136917		447743		60.2		5.0		74		7440				77.6	2.5			744			
Dew Point	23382814		415142		55.8		5.4		19		7440				4.1				744			

USAFETAC FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

34 46	HEIDELBERG AAF DL
STATION	STATION NAME

68-70, 74-80

YEARS

SFP

MONTH

PAGE 1 0900-1100
HOURS (L - S - T -)

HOURLS (1 - 5 - 7)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70,74-80

SEP
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67 / 85								.1		.1								2	2		
68 / 81				.1		.1	.8	1.2	.4									24	24		
69 / 79						.4	1.0	.8	.7									26	26		
70 / 77			.1		.4	1.4	1.6	1.2	.1									44	44		
76 / 75				.2	.4	2.0	2.9	1.0	.2									61	61	1	
74 / 73				.2	1.6	3.0	2.4	.7										71	71	1	1
71 / 71				.4	2.8	2.6	1.9	.3	.1									73	73	4	1
69 / 69			.3	1.8	2.4	2.3	1.3	.4										78	78	20	
68 / 67			.6	2.7	2.6	1.6	1.8	.1										83	83	42	
66 / 65		.7	1.1	1.7	2.1	1.7	1.3	.1										78	78	69	7
64 / 63		.6	.8	2.9	3.6	3.2	.6	.1										105	105	140	26
62 / 61	.1	.3	2.0	2.8	2.2	.6	.2											74	74	115	53
59 / 59	.7	1.3	2.1	2.2	1.1	.7	.3											76	76	108	127
58 / 57	.1	1.2	1.2	1.7	1.2	.1												44	44	111	93
56 / 55	.2	.4	.2	1.0	.4													21	21	107	109
54 / 53		.4	1.1	1.0														23	23	82	115
52 / 51		.3	.8	.2	.1													13	13	35	75
50 / 49	.3	.1																4	4	42	82
48 / 47																				21	64
46 / 45																				2	75
44 / 43																					27
42 / 41																					32
40 / 39																					6
38 / 37																					6
36 / 35																					1
TOTAL	1.4	5.4	10.3	18.2	21.0	19.7	16.1	6.1	1.6	.1								900	900	900	900
																		900		900	
								</													

USAFETAC FORM 0-26-5 (OLA) 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT

MONTH

700-326
HOURS (L S T)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

OCT
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

<u>34 46</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

PAGE 1 OCT
MONTH
0600-0800
HOURS (L. S. T.)

PAGE 1

0600-0800
HOURS (L. S. T.)

PSYCHROMETRIC SUMMA

CCT

MONTH

0900-11

HOURS (L. S.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew		
4/ 73								.1	.1									2	2				
3/ 71								.1										1	1				
1/ 69				.2	.1	.3												6	6				
4/ 67				.4	.3	.2												9	9				
0/ 65			.1	.5	.4	.2												15	15				
4/ 63			.6	1.7	.5													27	27	3			
1/ 61		.2	2.0	.3	.3													31	31	11			
1/ 59	.6	1.4	1.8	1.2	.8	.1												55	25	39			
1/ 57	.3	4.1	1.4	1.4	.3	.1												67	67	60			
5/ 55	.5	3.0	2.0	1.1	.1													63	63	73			
4/ 53	.8	2.5	2.8	1.5	.4													74	74	56			
2/ 51	1.0	4.2	3.0	.8	.2													85	85	71			
1/ 49	1.6	3.8	4.5	.6	.1													99	100	106			
10/ 47	1.2	4.3	3.1	.4	.3	.1												97	97	111			
10/ 45	3.6	7.6	1.2	.5	.1	.1												121	123	144	1		
4/ 43	2.9	4.1	1.0	.1	.1													76	76	111	1		
2/ 41	1.9	3.0	.3		.1													50	50	63	1		
4/ 39	1.7	1.3	.1															29	29	42			
30/ 37	.8	.6																13	13	22			
2/ 35	.6																	6	6	13			
34/ 33	.1																	1	1	2			
2/ 31																							
10/ 27																							
2/ 25																							
1/ 23																							
2/ 21																							
TOTAL	1.74	.124	.210	.9	4.6	1.2		.2	.1									927	930	927			

Σ ₁	Σ ₂	Σ ₃	Σ ₄	No. Obs.	Mean No. of Hours with Temperature						Total
73.17	84.21	12.462	927	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
47.83	50.22	7.076	930			1.8	.2				
40.19	40.33	6.731	927								
30.04	40.00	6.206	927		.7						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80
YEARS

YEARS

OCT
MONTH
PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
79								.1	.2									3	3			
77								.1	.1									2	2			
75						.1	.9	.2										11	11			
73					.1	.4	.8											12	12			
71					.3	.5	1.0											17	17			
69				.2	.5	.9	.2											17	17			
67				.3	1.6	.6												24	24			
65			.1	.8	1.6	.6	.4											33	33	4		
63		.1	.4	2.2	1.9	1.1	.4											57	57	21		
61		.8	1.8	1.5	1.4	.2												53	53	38	1	
59	.4	.9	1.6	2.9	2.3	.8	.4											86	86	61	19	
57	.2	1.9	1.6	2.7	1.7	.6												82	82	67	25	
55	.2	2.1	2.5	3.0	1.3	.2												86	86	74	59	
53	.5	2.3	3.4	3.1	1.3	.4												103	105	79	94	
51	.1	2.4	4.0	1.1	.6	.1	.2											79	79	108	56	
49	.2	1.9	3.7	.5	.4	.3	.1											67	67	122	90	
47	.5	4.4	1.7	.4	.1													67	67	120	93	
45	.9	4.7	.9	.3														63	63	100	134	
43	.3	3.1	.3															34	34	78	109	
41	.6	1.7	.3															25	25	35	136	
39	.4	.3																7	7	15	46	
37																				6	29	
35																					19	
33																					9	
31																					2	
29																					1	
27																					5	
23																					1	
TOTAL	4.5	26.5	22.4	19.1	15.3	7.0	4.4	.4	.3									928	930	928	928	
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.	52418.7		68411		73.7		14.638		928		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		93	
Dry Bulb	2924962		51644		55.5		7.841		930						8.6		2.8				93	
Wet Bulb	2438493		47249		50.9		5.950		928												93	
Dew Point	2060175		43355		46.7		6.117		928				.9								93	

PSYCHROMETRIC SUMMARY

OCT
MONTH
1500-1700
HOURS (L. S. T.)

PAGE 1

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3446 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80
YEARS

OCT
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
75 / 77									.1												1	1		
6 / 75								.1	.1												2	2		
4 / 73								.1	.1												2	2		
1 / 71						.1	.1														2	2		
1 / 69				.3	.3	.1															7	7		
1 / 67				.2	.5																7	7		
6 / 65			.1	.9	.6																15	15		
4 / 63		.1	1.1	1.8	.6	.1															35	35	8	
1 / 61		.9	2.7	1.5	.3																50	50	18	
1 / 59	.1	1.6	3.7	1.3	.9																64	64	44 16	
1 / 57	.3	3.4	1.7	1.4	.1																65	65	56 41	
5 / 55	.1	2.9	2.4	1.1	.1																61	61	76 47	
4 / 53	.9	4.0	3.5	1.2	.5	.1															95	95	72 84	
2 / 51	1.1	2.4	4.2	1.1	.3																83	83	85 71	
5 / 49	1.1	5.6	3.7	1.1	.3																109	109	96 76	
4 / 47	1.7	5.1	2.6	.8	.9																102	102	135 87	
4 / 45	3.2	5.3	1.5	.2	.1																96	96	141 149	
4 / 43	2.4	4.1	.3	.1																	64	64	89 118	
2 / 41	1.5	4.1	.6																		57	57	73 122	
4 / 39	.4	.5																			9	9	24 61	
3 / 37	.1	.2																			3	3	10 22	
1 / 35																							2 13	
34 / 33	.1																				1	1	1 10	
2 / 31																							10	
1 / 29																							1	
25 / 27																							2	
TOTAL	12.9	40.0	27.4	12.9	5.7	.4	.3	.2	.1												930	930	930	
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature		Total	
Rel. Hum.	6493966		76926		82.7		11.872		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	2560780		48378		52.0		6.897		930						2.1		.5						93	
Wet Bulb	2288355		45811		49.3		5.846		930														93	
Dew Point	2058812		43398		46.7		6.020		930				1.3										93	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
YEARS

YEARS

OCT
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73									.2									2	2		
73/ 71								.1										1	1		
66/ 67				.4	.1													5	5		
6/ 65			.1	.4	.3	.1												9	9		
64/ 63		.2	.8	1.0	.1	.1												20	20	3	
62/ 61		.9	1.5															22	22	7	
/ 59	.1	2.4	1.4	.2	.2													40	40	27	10
/ 57	.1	3.4	1.8	.8														57	57	47	25
54/ 55	1.2	4.7	1.0	.5														69	69	71	49
4/ 53	.8	3.0	3.2	.4														69	69	63	76
2/ 51	.9	3.8	2.3	.4														68	68	66	51
5/ 49	2.5	5.7	2.9	1.2	.1													115	115	94	83
48/ 47	3.1	5.9	1.6	.1	.2													102	102	119	88
46/ 45	4.5	8.3	1.9	.8	.3													147	147	143	157
44/ 43	2.8	3.8	.6															67	67	107	111
42/ 41	3.1	5.9	.8															91	91	95	117
4 / 39	2.3	1.7																37	37	59	86
38/ 37	.2	.1																3	3	22	37
36/ 35	.1	.3																4	4	4	18
34/ 33	.1																	1	1	2	12
32/ 31	.1																	1	1	1	7
28/ 27																					3
TOTAL	21.8	50.1	19.9	6.2	1.4	.2		.1	.2									930	930	930	930
Element (X)	Σ x ¹		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	71972.7		81221		87.3		10.571		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	2336335		46269		49.7		6.590		930			.1	.8	.2				93			
Wet Bulb	2152464		44417		47.8		5.849		930			.1						93			
Dew Point	1993052		42694		45.9		5.967		930			1.0						93			

PSYCHROMETRIC SUMMARY

34 40
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80

YEARS

OCT
MONTH

PAGE 1

ALL

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
65/ 81									.1									4	4		
65/ 79								.0	.0									5	5		
70/ 77								.1	.0									8	8		
76/ 75						.1	.2	.1										22	22		
74/ 73					.3	.2	.2	.1	.1									34	34		
72/ 71					.1	.1	.3	.1										43	43		
70/ 69				.1	.2	.3	.1											50	50		
67/ 67				.2	.5	.2	.0	.0										70	70		
66/ 65			.1	.5	.6	.2	.1											112	112	14	
64/ 63		.1	.5	1.3	.7	.3	.1											227	227	64	
62/ 61		.5	1.3	.8	.4	.1	.0											237	237	112	
61/ 59	.2	1.6	1.5	1.1	.7	.3	.1											401	401	262	
58/ 57	.4	2.9	1.2	1.2	.5	.2												483	483	416	
58/ 55	.8	3.2	1.6	1.2	.5	.1	.0											541	541	522	
54/ 53	1.4	2.9	2.6	1.3	.5	.1												630	632	540	
52/ 51	1.2	3.1	2.9	.6	.3	.0	.0											601	601	625	
50/ 49	2.1	3.9	2.9	.6	.2	.1	.0											725	726	792	
48/ 47	2.2	4.5	2.7	.4	.2	.0												693	694	879	
46/ 45	4.3	7.0	1.3	.4	.1	.0												954	960	1055	
44/ 43	3.3	4.7	.6	.1	.1													591	594	852	
42/ 41	3.3	3.8	.7	.1	.1													589	589	630	
40/ 39	1.8	1.1	.1	.3														229	229	346	
38/ 37	.9	.4																96	96	189	
36/ 35	.4	.2																47	47	79	
34/ 33	.3																	21	21	36	
32/ 31	.2																	14	14	14	
30/ 29																					
28/ 27																					
26/ 25																					
24/ 23																					
22/ 21																					
TOTAL	22.4	39.3	19.5	9.6	5.4	2.2	1.0	.3	.2									7427	7440	7427	
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	54284806		626760		84.4		13.696		7427		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		
Dry Bulb	19661481		378179		50.8		7.677		7440				1.4		23.6		7.3		.4		
Wet Bulb	17607327		358653		48.3		6.226		7427				1.4								
Dew Point	15933799		340973		45.9		6.138		7427				11.2								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL
STATION STATION NAME

68-70, 74-80 YEARS

NOV
MONTH
PAGE 1 9000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
7 / 69							.1											1	1							
6 / 67						.1		.1										2	2							
2 / 61				.1	.1													2	2							
1 / 59		.1	.6	.3														9	9							
5 / 57		.4	.6	.7	.2													17	17	6						
5 / 55	.1	.3	.3	.3	.1													15	15	11	4					
4 / 53	.1	1.3	1.3	.2	.6													32	32	13	11					
2 / 51		1.3	1.7	.7	.1													34	34	22	11					
5 / 49	1.	2.3	1.3	1.1	.1													53	53	43	23					
4 / 47	.8	2.6	1.3	.2														44	44	54	32					
4 / 45	1.6	5.	1.6	.1														74	74	70	62					
4 / 43	2.	7.2	1.6	.1	.2													100	100	113	67					
2 / 41	4.	8.8	2.9															141	141	115	123					
4 / 39	2.7	6.8	.6															90	90	99	117					
3 / 37	7.7	3.3	.3															57	57	104	100					
2 / 35	3.6	3.7	.3	.4														72	72	68	101					
3 / 33	7.8	2.4	.3	.1														60	60	75	74					
2 / 31	2.8	2.	.2															45	45	51	66					
1 / 29	1.2	1.1	.3															24	24	29	40					
2 / 27	1.	1.3																21	21	24	28					
2 / 25	.3																	3	3	9	14					
2 / 23	.1	.2																3	3	3	11					
2 / 21		.1																1	1		5					
1 / 19																					1	9				
2 / 17																						2				
TOTAL	27.7	50.4	15.2	4.9	1.4	.1	.1	.1										900	900	900	900					
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.	7002830		78760		87.5		11.084		900		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F			90							
Dry Bulb	1615574		37544		41.7		7.413		900		.3										90					
Wet Bulb	1485016		36072		40.1		6.608		900		11.7										90					
Dew Point	1344038		34262		38.1		6.647		900		17.5										90					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70, 74-8

YEARS

NOV
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65						.1												1	1		
64/ 63						.1												1	1		
62/ 61				.2														2	2		
60/ 59			.4	.2														6	6		
58/ 57		.4	.7	.7														16	16		
56/ 55		.1	.1	.1	.1													4	4	15	
54/ 53		.7	.6	.6	.3													19	19	7	8
52/ 51	.7	1.3	1.3	.6	.3													38	38	23	14
50/ 49	.7	2.1	2.4	.6	.1													49	49	26	21
48/ 47	.7	1.9	2.1	.1														43	43	49	27
46/ 45	1.9	5.4	1.8	.1	.1	.1												85	85	74	54
44/ 43	2.1	5.6	1.2	.1														80	80	89	66
42/ 41	4.9	8.0	1.9	.1														134	134	119	113
40/ 39	2.3	6.2	1.7															86	86	64	121
38/ 37	4.2	3.1	.3															74	74	117	99
36/ 35	4.1	2.3	.4															62	62	79	98
34/ 33	4.4	3.9	.2															77	77	83	77
32/ 31	7.3	1.9	.6															56	56	58	77
30/ 29	1.3	1.3	.3															27	27	21	45
28/ 27	1.2	.8																18	18	31	28
26/ 25	1.1																	9	9	12	27
24/ 23	.6	.2																7	7	5	14
22/ 21	.2	.2																4	4	4	6
20/ 19																				2	8
18/ 17	.1	.1																2	2	1	2
16/ 15																				1	
14/ 13																					1
12/ 11																					1
TOTAL	34.2	45.7	15.4	3.3	1.0	.3												900	900	900	900
Element (X)	Σ x ²		Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	7217669		80029		88.9	10.658	900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	1539287		36611		40.7	7.457	900			12.3					90						
Wet Bulb	1428071		35341		39.3	6.696	900			13.5					90						
Dew Point	1304268		33728		37.5	6.695	900			20.2					90						

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

0600-0800
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70,74-80

NOV
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
1 / 69						.1												1															1					
6 / 65					.1	.1	.1											3															3					
4 / 63				.4	.3													7															7					
2 / 61			.1	.1														2															2		1			
1 / 59				.4		.1												5															5					
1 / 57			.2	.3	.2													7															7		6			
50 / 55		.9	.6		.2													23														23		7	3			
4 / 53		.2	1.4	1.1														25														25		16	6			
12 / 51	.1	1.4	2.2	.9														42														42		18	9			
5 / 49	.1	2.9	3.9	.3														65														65		39	18			
13 / 47	.6	4.1	2.7	.4														70														70		80	31			
40 / 45	.9	5.1	2.8	.2														81														81		88	76			
04 / 43	1.1	6.0	2.0	.1	.1													84														84		88	79			
02 / 41	4.1	10.0	1.6	.2														143														143		115	152			
4 / 39	1.8	4.4	.8	.1														64														64		176	85			
70 / 37	3.2	5.3	.8	.1														85														85		84	106			
70 / 35	2.2	3.3	.1	.2														53														53		76	97			
34 / 33	1.9	4.1	.1															55														55		74	52			
2 / 31	2.3	2.3	.4	.1														47														47		49	76			
50 / 29	.9	.7	.2															16														16		23	45			
20 / 27	1.1	.6	.3															18														18		20	35			
06 / 25		.2																2														2		6	8			
24 / 23	.2																	2														2		4	9			
2 / 21																																				6		
0 / 19																																				2		
13 / 17																																				3		
16 / 15																																				2		
TOTAL	20.6	51.7	20.2	6.1	1.0	.3	.1												900														900		900			
Element (X)	Z ₁		Z ₂		I		e _s		No. Obs.		Mean No. of Hours with Temperature										Total																	
Rel. Hum.	6721768		77180		85.8		10.712		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			90																			
Dry Bulb	1663180		38118		42.4		7.364		900			8.5	.1						90																			
Wet Bulb	1511601		36423		40.5		6.464		900			10.2							90																			
Dew Point	1349513		34367		38.2		6.432		900			18.6							90																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION HEIDELBERG AAF OL 66-70,74-80 YEARS NOV MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
72/ 71							.2											2	2		
71/ 69								.1										1	1		
69/ 67					.1													1	1		
67/ 65					.1													1	1		
64/ 63				.3	.6	.1												9	9		
62/ 61			.4	.2	.7	.3												15	15		
59/ 59			.2	.7	1.7	.2												25	25	3	
57/ 57		.7	.7	1.0	.7													27	27	9	
55/ 55		.4	.9	2.3	.2													35	35	16	5
53/ 53		.3	1.9	1.7														35	35	30	11
51/ 51		.9	3.2	.9	.2													47	47	31	13
49/ 49	.1	2.8	2.7	1.3	.2													64	64	71	19
47/ 47	.9	3.3	3.1	1.7	.6	.1												87	87	80	43
45/ 45	.9	5.1	4.1	1.3	.2	.1												106	106	93	97
43/ 43	.9	6.4	4.1	.8														110	110	93	75
41/ 41	2.1	6.9	3.4	.8	.1													120	120	125	140
39/ 39	1.3	3.6	1.0	.1														54	54	179	107
37/ 37	1.2	3.3	.7	.4														51	51	77	92
35/ 35	.7	1.6	1.7	.1														30	30	53	77
34/ 33	1.4	2.9	1.2	.2														52	52	47	68
32/ 31	1.6	.4		.1														19	19	43	62
30/ 29	.7	.3																9	9	18	35
27/ 27																				2	31
25/ 25																					8
24/ 23																					11
22/ 21																					4
19/ 19																					2
17/ 17																					1
TOTAL	11.8	39.0	28.7	14.0	5.3	.9	.2	.1										900	900	900	900
Element (X)	Σ X'		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.	5868954		71778		79.8	12.675	900		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F							
Dry Bulb	1893387		40719		45.2	7.541	900			2.8	.4				90						
Wet Bulb	1652717		38137		42.4	6.387	900			6.3					90						
Dew Point	1408530		35120		39.0	6.507	900			15.3					90						

USAFETAC FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3446 HEIDELBERG AAF DL
STATION STATION NAME

68-70,74-80
YEARS

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point	
71							.1											1	1		
69							.2											2	2		
65				.1														1	1		
63				.2	.2	.2												6	6		
61			.4	1.0	.4	.1												18	18		
59			1.1	.8	.3													20	20	3	
57		.1	.2	1.0	.3	.1												16	16	8	
55		.7	.6	2.3	.3													35	35	13	
53		.9	2.6	2.4														53	53	28	
51		.8	2.6	.8	.2													39	39	31	
49	.1	3.7	3.8	1.3	.4													84	84	77	
47	.2	3.3	3.8	.6	.1	.1												73	73	82	
45	1.7	5.4	4.6	.9	.1													108	108	106	
43	.4	5.6	4.9	1.3														107	107	89	
41	3.1	5.9	3.6	.4	.1													118	118	117	
39	.7	3.1	2.1	.3	.1													57	57	100	
37	1.2	2.3	.4	.1														37	37	74	
35	1.7	2.2	.4		.1													34	34	51	
33	1.2	3.8	1.0	.2														56	56	57	
31	1.9	1.6	.2															33	33	49	
29	.1	.1																2	2	11	
27																				4	
25																					
23																					
21																					
19																					
17																					
15																					
13																					
11																					
9																					
7																					
5																					
3																					
1																					
TOTAL	11.0	39.4	31.1	13.9	3.3	.9	.3											900		900	
																		900		900	
Element (X)	$\Sigma x'$		Σx		Σ		σ^2		No. Obs.		Mean No. of Hours with Temperature							Total			
Ref. Hum.	5919294		72186		80.2		12.002		900		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total				
Dry Bulb	1881560		40602		45.1		7.448		900			3.5	.3				90				
Wet Bulb	1648092		38088		42.3		6.346		900			6.4					90				
Dew Point	1412458		35180		39.1		6.442		900			15.5					90				

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

AD-A110 049 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81

UNCLASSIFIED USAFETAC/DS-81/090

S81-AD-E850 11a

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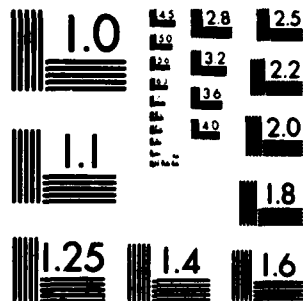
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 HEIDELBERG AAF DL

68-70, 74-80

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

CGCO-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55		.2																2	2		
54/ 53	.2	.5	.1	.1														9	9	5	2
52/ 51	.1	.4	.6	.2		.1												14	14	6	5
50/ 49	.5	1.2	.9		.1													25	25	12	9
48/ 47	.8	2.6	.9		.1													40	40	37	15
46/ 45	.9	4.4	.2															51	51	46	34
44/ 43	1.4	3.9	.3															52	52	59	47
42/ 41	1.1	3.6	.6															49	49	48	67
40/ 39	2.4	4.1	1.0	.1														70	70	52	61
38/ 37	3.9	5.6	1.0															97	97	83	59
36/ 35	3.3	5.7	1.0															93	93	88	83
34/ 33	3.4	4.0	.9															77	77	102	67
32/ 31	3.9	4.2	.4															79	79	104	100
30/ 29	2.6	4.7	.3															71	71	73	82
28/ 27	4.4	3.6	.9															82	83	69	90
26/ 25	1.7	2.3	.2															39	39	54	38
24/ 23	1.0	1.3	.1															22	22	22	61
22/ 21	1.0	1.9	.1															28	28	22	21
20/ 19	.8	.3																10	10	24	18
18/ 17	1.1	.3																13	13	14	30
16/ 15																				3	16
14/ 13	.2	.1																3	3	3	11
12/ 11	.3																	3	3	3	3
10/ 9																					4
8/ 7																					6
TOTAL	34.9	54.9	9.5	.4	.2	.1												929		929	
																		929		929	
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total		
Rel. Hum.	7467214		82794		89.1		9.764		929		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		
Dry Bulb	1221123		32845		35.3		8.112		930				35.1						93		
Wet Bulb	1145505		31795		34.2		7.859		929				39.1						93		
Dew Point	1038940		30032		32.3		8.566		929				48.1						93		

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
56/ 55				.1														1	1				
54/ 53	.1	.6	.1	.1														9	9	1			
52/ 51	.2	.5	.3															10	10	6			
50 / 49	.3	.8	1.1															20	20	7			
48/ 47	1.0	2.3	.2															32	32	14			
46/ 45	.8	4.3	1.3															59	59	39			
44/ 43	1.6	2.9	.4															46	46	43			
42/ 41	1.7	3.0	.5															49	49	49			
40 / 39	1.4	4.2	.5															57	57	42			
38/ 37	4.3	5.5	.1	.1														93	93	61			
36/ 35	3.2	5.4	1.3															92	92	95			
34/ 33	3.3	2.9	.3															61	61	64			
32/ 31	3.1	4.6	.4															76	76	85			
30 / 29	3.8	4.5	.2															79	79	87			
28/ 27	6.6	3.2	.5															96	96	84			
26/ 25	2.8	2.0																45	45	57			
24/ 23	1.6	1.9	.1															34	34	34			
22/ 21	1.3	1.4																25	25	26			
20/ 19	1.4	1.1																23	23	26			
18/ 17	.9																	8	8	16			
16/ 15	.3		.2															5	5	3			
14/ 13	.3		.1															4	4	3			
12/ 11																				3			
10/ 9	.2																	2	2	2			
8/ 7	.4																	4	4	4			
6/ 5																				5			
4/ -1																				2			
-4/ -5																				1			
TOTAL	40.6	51.2	7.8	.3														930	930	930			

Element (X)	Σx^1	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.	7623525	83785	90.1	8.998	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1163688	31940	34.3	8.476	930		40.1					93
Wet Bulb	1098893	31053	33.4	8.171	930		43.0					93
Dew Point	1003949	29439	31.7	8.807	930	.3	48.6					93

PSYCHROMETRIC SUMMARY

<u>3446</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

DEC
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>34.46</u>	<u>HEIDELBERG AAF DL</u>
STATION	STATION NAME

68-70, 74-80

YEARS

DEC
MONTH

PAGE 1

1500-1700
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
59				.1														1	1					
57				.2														2	2					
55			.3	.5														8	8					
53		.9	.4	.8														19	19	2				
51		1.3	.8	.1														20	20	15	4			
49	.1	2.0	1.2	.1	.1													33	33	35	13			
47	.1	1.9	1.8	.5														41	41	27	17			
45	1.2	4.4	1.8	.3		.1												73	73	59	61			
43	.8	2.4	.6	.4	.1													40	40	58	37			
41	2.2	5.7	1.9	.4	.1													96	96	63	68			
39	.5	5.1	1.8															69	69	56	47			
37	2.4	7.8	1.7	.2														113	113	105	68			
35	1.4	6.8	1.2															87	87	105	90			
33	2.3	4.2	1.0															69	69	107	103			
31	1.6	6.5	1.1	.1	.1													87	87	76	84			
29	1.6	3.3	1.1	.2	.1													59	59	69	75			
27	2.4	4.3	.3	.1														66	66	64	84			
25	.5	1.5	.1															20	20	51	48			
23	.4	1.2	.1															16	16	19	51			
21	.2	.5																7	7	11	32			
19	.1																	1	1	5	16			
17		.2																2	2	2	14			
15	.1																	1	1	1	6			
13																					6			
11																					2			
9																					1			
7																					2			
5																					1			
TOTAL	17.86	60.0	17.3	4.2	.5	.1												930	930	930	930			
Element (X)	Σx'	Σx	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Num.	6773564	78760	84.7	10.556	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	1375853	35061	37.7	7.628	930		25.9					93												
Wet Bulb	1252879	33469	36.3	7.217	930		29.8					93												
Dew Point	1092682	31002	33.3	7.984	930		42.2					93												

PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

DEC

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

34146
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80

YEARS

DEC

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMAR

34 46 HEIDELBERG AAF DL

68-70, 74-81

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
10/ 99																	.0		1	1			
98/ 97																	.0		2	2			
96/ 95														.0	.0	.0	.0		46	46			
94/ 93										.0	.0	.0	.0	.0	.0	.0	.0	.0	38	38			
92/ 91										.0	.0	.0	.0	.0	.0	.0			58	58			
90/ 89								.0	.0	.0	.0	.0	.0	.0	.0	.0			114	114			
88/ 87								.0	.0	.1	.1	.1	.0	.0	.0	.0			201	201			
86/ 85						.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0			257	257			
84/ 83				.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0					352	352			
82/ 81				.0	.0	.1	.1	.2	.3	.1	.1	.0	.0						773	773			
80/ 79				.0	.0	.1	.2	.2	.2	.1	.1	.0							778	778	2		
78/ 77			.0	.0	.1	.2	.4	.3	.3	.1	.0	.0							1235	1235			
76/ 75	.0	.0	.0	.0	.1	.3	.4	.3	.1	.0	.0	.0	.0						1235	1235	31		
74/ 73		.0	.0	.2	.2	.4	.4	.3	.1	.0	.0	.0	.0						1477	1477	94		
72/ 71		.0	.1	.2	.5	.4	.4	.2	.1	.0	.0								1661	1661	284		
70/ 69	.0	.0	.3	.4	.5	.6	.3	.2	.1	.0	.0								2038	2038	721		
68/ 67	.0	.1	.5	.5	.7	.4	.3	.1	.1	.0									2319	2319	1358		
66/ 65	.0	.4	.5	.7	.5	.4	.3	.1	.0	.0									2668	2668	2173		
64/ 63	.1	1.0	1.0	1.2	.7	.8	.2	.1	.0	.0									4566	4566	3347		
62/ 61	.2	1.1	1.1	.7	.6	.2	.2	.1	.0										3618	3618	4214		
60/ 59	.4	1.5	1.4	1.1	.6	.4	.1	.0	.0										4809	4809	4538		
58/ 57	.3	1.6	1.0	.9	.4	.2	.1	.0	.0										3823	3823	4895		
56/ 55	.4	1.7	.9	.8	.4	.1	.0	.0	.0										3787	3787	5191		
54/ 53	.5	1.4	1.2	.6	.4	.1	.0	.0											3728	3730	4909		
52/ 51	.5	1.4	1.2	.5	.2	.1	.0												3442	3442	4291		
50/ 49	.6	1.6	1.2	.5	.2	.1	.0	.0											3762	3763	4760		
48/ 47	.6	1.9	1.2	.4	.2	.0	.0												3738	3739	4587		
46/ 45	1.0	3.1	1.3	.5	.2	.0	.0												5361	5367	5201		
44/ 43	.8	2.4	1.0	.4	.1	.0													4062	4065	4838		
42/ 41	1.3	3.5	1.3	.3	.1	.0													5714	5714	5055		
40/ 39	.9	2.5	.8	.2	.0	.0													3907	3907	4466		
38/ 37	1.2	2.2	.7	.1	.0	.0													3790	3790	4713		
36/ 35	1.0	2.0	.6	.1	.0														3275	3275	4005		
34/ 33	1.3	1.7	.4	.2	.0														2981	2981	4301		
Element (X)	Σ x²			Σ x			Σ		Σ _A		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																							
Wet Bulb																							
Dew Point																							

PSYCHROMETRIC SUMMARY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-81

YEARS

ALL
MONTH

PAGE 2

ALL

ALL
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34746

HEIDELBERG AAF DL

68-70,74-81

STATION		STATION NAME					YEARS									
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL		
0-07	MEAN	34.7	35.9	41.1	46.0	53.4	59.5	61.6	62.1	56.6	48.6	41.7	35.3	48.1		
	S.D.	7.653	6.746	6.608	7.453	6.893	6.570	6.559	5.699	5.638	6.267	7.413	8.112	12.098		
	TOTAL OBS	928	846	929	920	930	900	930	930	900	930	900	930	10953		
3-05	MEAN	33.9	34.8	39.4	43.5	50.7	56.8	59.0	59.5	54.5	47.1	40.7	34.5	46.3		
	S.D.	7.937	7.021	6.733	7.137	6.642	6.170	5.954	5.312	5.618	6.142	7.457	8.273	11.521		
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956		
6-08	MEAN	33.5	34.4	38.9	43.8	52.7	59.3	61.2	60.5	54.6	46.8	40.3	34.3	46.8		
	S.D.	7.967	7.102	6.959	6.927	6.404	6.404	6.079	5.496	5.651	6.130	7.309	8.476	12.233		
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955		
9-11	MEAN	34.8	36.7	43.3	50.2	59.7	66.5	68.2	67.6	61.3	50.8	42.4	35.5	51.5		
	S.D.	7.880	6.795	7.272	8.057	7.462	7.897	7.756	6.635	5.992	7.076	7.364	8.198	14.414		
	TOTAL OBS	930	846	930	898	930	900	930	930	900	930	900	930	10954		
12-14	MEAN	37.6	40.4	48.0	55.0	64.0	70.5	72.7	72.8	67.0	55.5	45.2	37.9	55.6		
	S.D.	7.408	7.089	7.977	9.531	8.877	9.248	9.184	7.747	7.206	7.841	7.541	7.817	15.398		
	TOTAL OBS	930	846	930	898	930	900	930	930	900	930	900	930	10954		
15-17	MEAN	37.8	41.5	49.4	56.4	65.5	71.7	74.2	74.1	68.0	56.2	45.1	37.7	56.5		
	S.D.	7.322	7.288	8.195	10.073	9.186	9.442	9.609	8.262	7.523	8.117	7.448	7.628	15.879		
	TOTAL OBS	930	846	930	899	930	900	930	930	899	930	900	930	10954		
18-20	MEAN	36.0	38.6	45.8	52.7	62.0	68.2	71.0	69.9	62.8	52.0	42.8	36.0	53.2		
	S.D.	7.285	6.725	7.538	9.091	8.480	8.699	8.797	7.652	6.803	6.897	7.022	7.833	14.982		
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955		
21-23	MEAN	35.2	36.8	42.9	48.4	56.4	62.5	64.9	64.5	58.6	49.7	41.9	35.2	49.8		
	S.D.	7.382	6.418	6.723	7.804	7.116	7.039	6.925	5.924	5.985	6.590	7.199	8.028	12.954		
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	899	930	10954		
ALL HOURS	MEAN	35.4	37.4	43.6	49.5	58.0	64.4	66.6	66.4	60.4	50.8	42.5	35.8	51.0		
	S.D.	7.750	7.301	8.122	9.529	9.288	9.393	9.412	8.484	8.029	7.677	7.540	8.141	14.254		
	TOTAL OBS	7438	6768	7439	7193	7440	7200	7439	7440	7199	7440	7199	7440	87635		

USAF ETAC FORM 0-89.5 (OLA)
OCT 75

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34046 HEIDELBERG AAF DL

68-70,74-81

STATION		STATION NAME												YEARS	
HRS. (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0-02	MEAN	33.7	34.5	39.0	42.8	49.8	55.8	58.0	58.5	54.3	47.0	40.1	34.2	45.7	
	S.D.	7.358	6.405	6.375	6.220	5.514	5.257	4.901	4.530	5.024	5.732	6.608	7.859	10.933	
	TOTAL OBS	928	846	929	900	930	900	930	930	900	928	900	929	10950	
03-05	MEAN	33.0	33.6	37.7	41.1	48.1	54.3	56.4	57.0	52.7	45.9	39.3	33.5	44.4	
	S.D.	7.583	6.713	6.557	6.360	5.702	5.409	4.933	4.632	5.177	5.805	6.696	8.031	10.789	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	927	900	930	10953	
06-08	MEAN	32.6	33.4	37.3	41.3	49.4	55.7	57.6	57.6	52.8	45.7	39.0	33.4	44.7	
	S.D.	7.684	6.851	6.727	6.218	5.396	5.277	4.737	4.640	5.232	5.893	6.639	8.171	11.206	
	TOTAL OBS	929	846	930	899	930	900	930	930	900	927	900	930	10951	
09-11	MEAN	33.0	35.1	40.3	45.1	53.1	59.0	60.9	61.0	56.7	48.3	40.5	34.4	47.4	
	S.D.	7.496	6.350	6.449	6.074	5.404	5.497	4.950	4.497	4.899	6.031	6.464	7.783	11.835	
	TOTAL OBS	930	846	930	898	930	900	930	930	900	927	900	927	10948	
12-14	MEAN	35.9	37.5	43.1	47.4	54.9	60.4	62.4	62.9	59.2	50.9	42.4	36.0	49.5	
	S.D.	6.736	6.067	6.503	6.516	5.772	5.845	5.322	4.630	5.324	5.950	6.387	7.337	11.675	
	TOTAL OBS	927	846	930	898	930	900	930	930	900	928	900	930	10949	
15-17	MEAN	36.1	38.2	43.9	48.1	55.6	60.8	62.9	63.1	59.7	51.4	42.3	36.0	49.9	
	S.D.	6.727	6.053	6.449	6.468	5.845	5.665	5.326	4.630	5.381	6.115	6.346	7.217	11.736	
	TOTAL OBS	929	846	930	899	930	900	930	930	899	930	900	930	10953	
18-20	MEAN	34.7	36.4	41.9	46.2	54.0	59.4	61.8	61.6	57.6	49.3	40.8	34.7	48.3	
	S.D.	6.897	6.044	6.576	6.202	5.594	5.381	5.161	4.673	5.262	5.846	6.179	7.518	11.719	
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955	
21-23	MEAN	34.2	35.1	40.2	44.0	51.5	57.2	59.6	59.6	55.3	47.8	40.2	34.0	46.6	
	S.D.	7.023	5.986	6.366	6.088	5.287	5.178	4.927	4.438	5.085	5.849	6.349	7.711	11.203	
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	899	930	10954	
ALL HOURS	MEAN	34.2	35.5	40.4	44.5	52.0	57.8	59.9	60.2	56.1	48.3	40.6	34.5	47.1	
	S.D.	7.289	6.521	6.883	6.745	6.144	5.889	5.519	5.074	5.761	6.226	6.562	7.763	11.555	
	TOTAL OBS	7433	6768	7439	7193	7440	7200	7439	7440	7199	7427	7199	7436	87613	

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34 46

HEIDELBERG AAF DL

68-70,74-81

STATION		STATION NAME												YEARS
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	32.1	32.3	35.9	39.0	46.4	52.8	55.2	55.9	52.4	45.5	38.1	32.3	43.2
	S.D.	7.801	7.099	7.533	6.702	6.088	5.824	5.190	5.236	5.291	5.941	6.647	8.566	11.075
	TOTAL OBS	928	846	929	900	930	900	930	930	900	928	900	929	10950
3-05	MEAN	31.3	31.6	35.2	38.1	45.6	52.3	54.4	55.1	51.3	44.8	37.5	31.7	42.5
	S.D.	8.029	7.382	7.568	6.863	6.171	5.749	5.122	5.210	5.359	6.050	6.695	8.796	11.097
	TOTAL OBS	930	846	930	900	930	900	930	930	900	927	900	930	10953
6-08	MEAN	31.0	31.5	35.1	38.3	46.3	52.9	55.0	55.4	51.3	44.6	37.3	31.7	42.6
	S.D.	8.261	7.501	7.581	6.739	6.017	5.577	4.904	5.062	5.419	6.150	6.595	8.807	11.293
	TOTAL OBS	929	846	930	899	930	900	930	930	900	927	900	930	10951
9-11	MEAN	31.7	32.5	36.5	39.5	47.2	53.4	55.8	56.3	53.1	46.0	38.2	32.3	43.6
	S.D.	8.029	7.070	7.149	6.642	6.349	6.136	5.326	5.325	5.394	6.208	6.432	8.324	11.281
	TOTAL OBS	930	846	930	898	930	900	930	930	900	927	900	927	10948
12-14	MEAN	33.1	33.5	37.3	39.3	47.0	53.1	55.4	56.1	53.3	46.7	39.0	33.3	44.0
	S.D.	7.265	6.797	7.396	7.189	6.766	6.608	5.756	5.582	5.960	6.117	6.507	7.991	10.944
	TOTAL OBS	927	846	930	898	930	900	930	930	900	928	900	930	10949
15-17	MEAN	33.4	33.6	37.5	39.4	47.3	52.9	55.2	55.6	53.7	47.1	39.1	33.3	44.1
	S.D.	7.280	6.706	7.464	7.325	6.990	6.533	6.010	5.703	6.067	6.196	6.442	7.984	10.890
	TOTAL OBS	929	846	930	899	930	900	930	930	899	930	900	930	10953
18-20	MEAN	32.8	33.2	37.0	39.1	47.0	52.9	55.3	55.9	53.7	46.7	38.4	32.5	43.8
	S.D.	7.309	6.608	7.805	7.021	6.588	6.317	5.689	5.826	5.628	6.020	6.214	8.338	11.065
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955
21-23	MEAN	32.4	32.6	36.6	39.0	47.0	53.1	55.8	56.1	52.7	45.9	38.0	32.0	43.5
	S.D.	7.410	6.653	7.619	6.758	5.985	5.832	5.395	5.273	5.343	5.967	6.404	8.478	11.116
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	899	930	10954
ALL HOURS	MEAN	32.2	32.6	36.4	39.0	46.7	52.9	55.3	55.8	52.7	45.9	38.2	32.4	43.4
	S.D.	7.719	7.020	7.561	6.921	6.400	6.087	5.449	5.419	5.634	6.138	6.518	8.433	11.110
	TOTAL OBS	7433	6768	7439	7193	7440	7200	7439	7440	7199	7427	7199	7436	87613

USAF ETAC FORM 0-89-5 (OLA)
OCT 78

RELATIVE HUMIDITY

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	99.8	97.0	86.7	57.3	90.6	928
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	97.2	86.8	55.5	90.4	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	96.4	87.6	57.2	90.6	929
	09-11	100.0	100.0	100.0	99.9	99.8	99.2	94.7	84.9	49.2	88.9	930
	12-14	100.0	100.0	100.0	99.9	99.7	97.0	86.3	65.5	30.9	83.9	927
	15-17	100.0	100.0	100.0	100.0	99.8	97.6	87.2	68.1	31.5	84.3	929
	18-20	100.0	100.0	100.0	100.0	100.0	99.5	95.8	82.5	45.3	88.4	930
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	96.6	85.2	51.6	89.7	930
TOTALS		100.0	100.0	100.0	100.0	99.9	99.1	93.9	80.9	47.3	88.4	7433

USAFETAC FORM 0-87-5 (OL A)
JUL 64

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

69-70,74-81
PERIOD

FEB
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.9	99.4	97.9	90.8	76.4	47.4	87.4	846
	03-05	100.0	100.0	100.0	99.6	99.3	98.1	92.0	81.2	53.8	88.9	846
	06-08	100.0	100.0	100.0	100.0	99.5	98.0	92.9	82.2	57.1	89.4	846
	09-11	100.0	100.0	100.0	99.9	98.7	94.8	85.3	72.1	41.1	85.4	846
	12-14	100.0	100.0	99.6	98.6	94.9	85.7	68.2	47.8	22.2	77.7	846
	15-17	100.0	99.9	99.4	98.3	93.6	80.4	62.6	40.8	16.7	75.3	846
	18-20	100.0	100.0	100.0	99.9	98.1	93.3	80.6	59.0	28.5	82.0	846
	21-23	100.0	100.0	100.0	100.0	99.1	95.7	87.2	72.5	39.6	85.6	846
TOTALS		100.0	100.0	99.9	99.5	97.8	93.0	82.5	66.5	38.3	84.0	6768

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34-46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70, 74-80
PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.6	98.7	95.2	81.5	61.8	27.7	82.3	929
	03-05	100.0	100.0	99.9	99.7	99.5	97.2	88.8	72.7	37.4	85.5	930
	06-08	100.0	100.0	99.9	99.7	99.7	97.8	91.3	76.0	39.9	86.5	930
	09-11	100.0	100.0	100.0	99.4	97.4	89.7	70.5	45.3	19.6	78.0	930
	12-14	100.0	100.0	99.8	97.1	88.0	65.5	41.8	21.8	6.2	67.9	930
	15-17	100.0	100.0	99.5	94.5	82.7	58.3	37.3	18.4	6.0	65.4	930
	18-20	100.0	100.0	99.9	98.1	92.2	79.4	57.6	30.8	11.2	72.6	930
	21-23	100.0	100.0	99.8	99.6	97.7	91.8	76.0	48.8	20.3	79.2	930
TOTALS		100.0	100.0	99.9	98.5	94.5	84.4	68.1	47.0	21.0	77.2	7439

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046
STATION

HEIDELBERG AAF DL

STATION NAME

68-70,74-80

PERIOD

APR

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	98.8	94.4	83.6	71.3	50.9	21.6	78.0	900
	03-05	100.0	100.0	100.0	100.0	97.9	91.6	80.6	63.0	32.1	82.4	900
	06-08	100.0	100.0	100.0	100.0	99.1	91.7	79.5	60.3	27.0	82.0	899
	09-11	100.0	100.0	99.9	95.8	84.3	65.3	47.1	27.2	11.0	68.8	898
	12-14	100.0	100.0	96.1	83.2	62.4	39.6	26.8	14.9	4.6	58.3	898
	15-17	100.0	99.3	91.5	76.5	57.1	38.7	25.4	14.6	4.9	56.4	899
	18-20	100.0	100.0	96.7	85.3	70.1	53.0	38.7	22.1	7.9	63.0	900
	21-23	100.0	100.0	99.8	95.9	88.2	74.0	55.5	35.5	13.3	72.0	899
TOTALS		100.0	99.9	98.0	91.9	81.7	67.2	53.1	36.1	15.3	70.1	7193

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046 HEIDELBERG AAF DL

68-70,74-80

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.4	98.1	95.4	83.8	73.4	51.6	26.2	78.8	930
	03-05	100.0	100.0	100.0	99.9	98.1	91.4	83.3	65.2	38.2	83.7	930
	06-08	100.0	100.0	100.0	99.2	97.3	90.0	78.1	52.4	26.3	80.0	930
	09-11	100.0	100.0	99.4	94.8	81.3	59.2	38.2	18.8	8.1	65.3	930
	12-14	100.0	99.8	95.2	82.6	60.0	38.7	22.0	10.4	4.4	56.6	930
	15-17	100.0	99.9	93.8	75.9	54.1	33.5	21.6	10.3	3.1	54.7	930
	18-20	100.0	100.0	97.3	86.6	67.4	48.7	31.9	16.2	5.8	60.7	930
	21-23	100.0	100.0	99.5	98.0	89.9	74.4	58.6	34.7	13.8	72.4	930
TOTALS		100.0	100.0	98.1	92.0	80.4	65.0	50.9	32.5	15.7	69.0	7440

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34146
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	0-02	100.0	100.0	100.0	99.1	95.7	88.8	77.9	55.0	25.6	79.9	900
	03-05	100.0	100.0	100.0	100.0	99.2	94.7	89.8	72.0	38.7	85.5	900
	06-08	100.0	100.0	99.9	99.4	98.7	92.6	80.8	53.3	20.4	80.3	900
	09-11	100.0	99.9	99.0	94.8	82.3	58.2	34.4	14.2	5.2	64.4	900
	12-14	100.0	99.7	96.3	83.9	59.0	34.3	22.2	11.2	2.0	56.5	900
	15-17	100.0	98.9	94.6	78.4	52.3	31.6	19.2	7.8	2.8	54.2	900
	18-20	100.0	99.9	97.0	86.2	66.4	47.0	32.6	15.9	6.1	60.7	900
	21-23	100.0	100.0	99.5	97.9	91.4	78.7	60.1	34.1	13.3	73.1	900
TOTALS		100.0	99.8	98.3	92.5	80.6	65.7	52.1	32.9	14.3	69.3	7200

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	99.0	98.2	96.2	91.7	82.2	57.3	26.5	80.8	930
	03-05	100.0	100.0	100.0	99.2	98.4	95.9	90.6	73.3	35.9	85.5	930
	06-08	100.0	100.0	100.0	99.5	97.2	93.2	84.5	56.8	23.2	81.2	930
	09-11	100.0	100.0	98.8	96.2	84.0	63.0	39.1	19.5	7.5	66.4	930
	12-14	100.0	99.7	96.9	85.4	59.8	34.1	21.3	12.0	5.2	57.2	930
	15-17	100.0	99.1	94.7	77.3	50.5	32.2	21.4	11.3	3.2	54.5	930
	18-20	100.0	99.6	97.4	89.6	67.1	44.3	28.7	15.1	3.9	60.1	929
	21-23	100.0	100.0	98.8	98.0	94.4	83.4	61.8	33.8	13.8	74.0	930
TOTALS		100.0	99.8	98.2	92.9	81.0	67.2	53.7	34.9	14.9	70.0	7439

USAFETAC

FORM
JA 64

0-87-5 (OL A)

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.2	95.3	88.9	82.9	61.9	27.3	81.3	930
	03-05	100.0	100.0	100.0	100.0	98.4	93.2	87.8	75.3	44.7	86.1	930
	06-08	100.0	100.0	100.0	100.0	98.8	95.3	86.8	65.5	34.8	84.0	930
	09-11	100.0	100.0	99.7	97.1	86.7	70.3	46.6	24.9	7.7	68.8	930
	12-14	100.0	100.0	97.8	86.2	64.8	39.2	22.3	9.9	2.7	57.9	930
	15-17	100.0	99.8	95.8	78.1	54.4	33.0	19.1	9.8	2.8	54.9	930
	18-20	100.0	99.9	98.1	90.1	74.8	55.6	37.5	19.9	5.9	63.7	930
	21-23	100.0	100.0	99.9	98.6	93.3	84.6	68.5	41.6	15.3	75.7	930
TOTALS		100.0	100.0	98.9	93.7	83.3	70.0	56.4	38.6	17.7	71.6	7440

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	97.2	92.7	73.1	37.3	86.0	900
	03-05	100.0	100.0	100.0	99.9	99.9	99.1	96.0	80.2	52.8	89.1	900
	06-08	100.0	100.0	100.0	100.0	100.0	99.1	96.0	81.6	48.2	88.9	900
	09-11	100.0	100.0	100.0	99.9	98.7	88.7	67.3	33.9	9.7	75.3	900
	12-14	100.0	100.0	100.0	98.2	80.6	53.2	27.1	9.4	3.2	62.7	900
	15-17	100.0	100.0	100.0	96.2	76.6	47.4	26.1	11.3	2.8	61.6	899
	18-20	100.0	100.0	100.0	99.3	95.7	82.0	59.3	30.4	9.2	73.1	900
	21-23	100.0	100.0	100.0	100.0	99.7	95.3	83.7	58.7	19.0	81.4	900
TOTALS		100.0	100.0	100.0	99.2	93.9	82.8	68.5	47.3	22.8	77.3	7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34.46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80
PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.7	99.7	98.6	94.6	83.3	53.8	89.8	928
	03-05	100.0	100.0	100.0	100.0	99.8	98.9	96.4	87.4	64.7	91.9	927
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	97.6	89.3	67.1	92.4	927
	09-11	100.0	100.0	100.0	99.6	98.8	95.8	86.4	63.5	34.4	84.2	927
	12-14	100.0	100.0	100.0	99.6	93.6	79.7	59.9	34.5	15.0	73.7	928
	15-17	100.0	100.0	100.0	99.4	93.3	77.1	59.8	32.3	13.9	73.1	930
	18-20	100.0	100.0	100.0	99.9	98.8	95.6	85.5	59.9	28.5	82.7	930
	21-23	100.0	100.0	100.0	99.7	99.5	98.6	92.7	75.6	43.9	87.3	930
TOTALS		100.0	100.0	100.0	99.8	97.9	93.0	84.1	65.7	40.2	84.4	7427

1

RELATIVE HUMIDITY

34 46	HEIDELBERG AAF DL
STATION	STATION

68-70, 74-80

NOV
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.4	97.0	91.4	78.4	44.9	87.5	900
	03-05	100.0	100.0	100.0	99.9	99.4	98.2	94.2	79.7	52.3	88.9	900
	06-08	100.0	100.0	100.0	100.0	99.7	99.2	95.2	82.8	53.4	89.5	900
	09-11	100.0	100.0	100.0	100.0	99.7	98.0	90.3	72.1	34.9	85.8	900
	12-14	100.0	100.0	100.0	99.8	99.2	92.1	75.0	50.9	21.3	79.8	900
	15-17	100.0	100.0	100.0	100.0	99.2	94.2	77.1	50.6	21.1	80.1	900
	18-20	100.0	100.0	100.0	100.0	99.7	97.9	91.3	69.4	33.2	85.2	900
	21-23	100.0	100.0	100.0	100.0	99.6	97.2	91.5	76.0	37.8	86.6	899
TOTALS		100.0	100.0	100.0	100.0	99.5	96.7	88.3	70.0	37.4	85.4	7199

USAFETAC FORM JUL 64 0-87-5 (OL A)

FORM
711-A

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34.46
STATION

HEIDELBERG AAF DL
STATION NAME

68-70,74-80

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.8	99.2	93.5	84.1	52.7	89.1	929
	03-05	100.0	100.0	100.0	99.9	99.9	99.4	94.3	85.9	54.8	89.6	930
	06-08	100.0	100.0	100.0	100.0	99.9	99.5	96.0	87.0	55.8	90.1	930
	09-11	100.0	100.0	100.0	100.0	99.9	99.0	95.1	81.9	45.1	88.1	927
	12-14	100.0	100.0	100.0	100.0	99.6	97.6	85.8	67.5	29.8	83.9	930
	15-17	100.0	100.0	100.0	99.7	99.0	98.0	89.8	71.3	31.5	84.7	930
	18-20	100.0	100.0	100.0	99.9	99.4	98.2	92.9	78.4	44.8	87.4	930
	21-23	100.0	100.0	100.0	100.0	99.2	98.9	92.2	81.2	51.3	88.6	930
TOTALS		100.0	100.0	100.0	99.9	99.6	98.7	92.5	79.7	45.7	87.7	7436

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 46 HEIDELBERG AAF DL

68-70,74-81

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.9	99.1	93.9	86.9	47.3	88.4	7433
FEB		100.0	100.0	99.9	99.5	97.8	93.0	82.5	66.5	38.3	84.0	6768
MAR		100.0	100.0	99.9	98.5	94.5	84.4	68.1	47.0	21.0	77.2	7439
APR		100.0	99.9	98.0	91.9	81.7	67.2	53.1	36.1	15.3	70.1	7193
MAY		100.0	100.0	98.1	92.0	80.4	65.0	50.9	32.5	15.7	69.0	7440
JUN		100.0	99.8	98.3	92.5	80.6	65.7	52.1	32.9	14.3	69.3	7210
JUL		100.0	99.8	98.2	92.9	81.0	67.2	53.7	34.9	14.9	70.0	7439
AUG		100.0	100.0	98.9	93.7	83.3	70.0	56.4	38.6	17.7	71.6	7440
SEP		100.0	100.0	100.0	99.2	93.9	82.8	68.5	47.3	22.8	77.3	7199
OCT		100.0	100.0	100.0	99.8	97.9	93.0	84.1	65.7	40.2	84.4	7427
NOV		100.0	100.0	100.0	100.0	99.5	96.7	88.3	76.0	37.4	85.4	7199
DEC		100.0	100.0	100.0	99.9	99.6	98.7	92.5	79.7	45.7	87.7	7436
TOTALS		100.0	100.0	99.3	96.7	90.8	81.9	70.3	52.7	27.6	77.9	87613

USAFETAC FORM 0-87-5 (OL A)
JUL 64

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

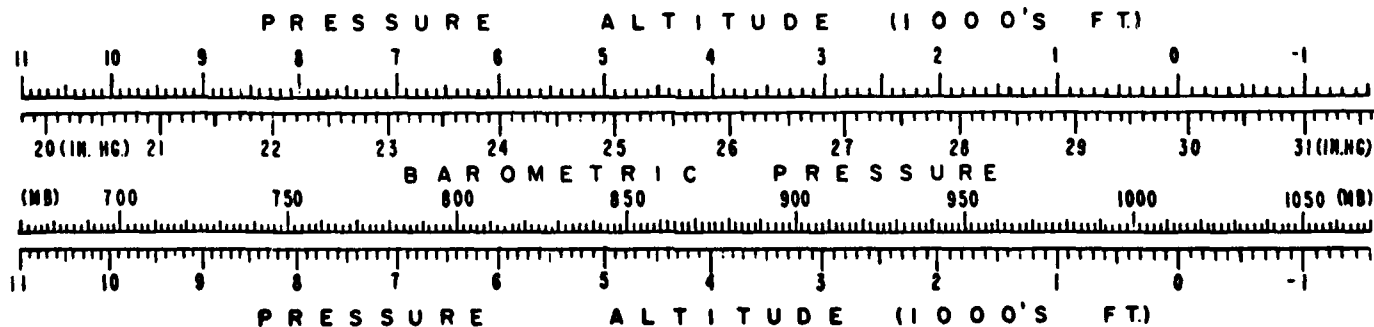
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. ~~DATA~~ NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34046

HEIDELBERG AAF DL

68-70,74-81

STATION		STATION NAME												YEARS	
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
	MEAN	29.631	29.588	29.558	29.582	29.593	29.628	29.658	29.636	29.684	29.670	29.637	29.655	29.627	
	S.D.	.329	.334	.263	.218	.193	.153	.152	.147	.190	.260	.300	.352	.253	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
	MEAN	29.628	29.577	29.546	29.576	29.587	29.623	29.651	29.629	29.677	29.659	29.630	29.649	29.620	
	S.D.	.326	.336	.265	.217	.196	.155	.154	.149	.190	.264	.298	.355	.255	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
	MEAN	29.626	29.578	29.553	29.591	29.603	29.639	29.665	29.641	29.687	29.665	29.634	29.647	29.628	
	S.D.	.325	.341	.268	.220	.198	.158	.158	.150	.192	.270	.296	.354	.256	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
	MEAN	29.646	29.598	29.569	29.602	29.608	29.643	29.668	29.651	29.704	29.686	29.655	29.664	29.641	
	S.D.	.325	.342	.270	.220	.198	.158	.158	.148	.192	.275	.297	.356	.257	
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651	
17	MEAN	29.631	29.590	29.552	29.580	29.592	29.627	29.653	29.635	29.685	29.669	29.639	29.645	29.625	
	S.D.	.324	.338	.267	.216	.195	.157	.157	.144	.190	.269	.296	.356	.255	
	TOTAL OBS	310	282	310	299	310	299	310	310	300	310	300	310	3650	
16	MEAN	29.621	29.573	29.528	29.555	29.570	29.605	29.634	29.617	29.663	29.651	29.625	29.640	29.607	
	S.D.	.324	.330	.259	.213	.192	.157	.155	.143	.189	.264	.296	.349	.253	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
19	MEAN	29.631	29.588	29.540	29.561	29.570	29.601	29.628	29.613	29.666	29.667	29.636	29.650	29.613	
	S.D.	.327	.330	.256	.211	.188	.154	.152	.141	.188	.260	.298	.349	.251	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3650	
22	MEAN	29.635	29.595	29.552	29.583	29.595	29.628	29.653	29.636	29.685	29.674	29.640	29.657	29.626	
	S.D.	.327	.331	.258	.217	.188	.152	.150	.145	.188	.262	.303	.350	.252	
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651	
ALL HOURS	MEAN	29.631	29.586	29.550	29.579	29.590	29.624	29.651	29.632	29.681	29.668	29.637	29.651	29.624	
	S.D.	.326	.335	.263	.217	.194	.156	.155	.146	.190	.265	.298	.352	.254	
	TOTAL OBS	2480	2256	2480	2397	2480	2399	2480	2480	2400	2480	2400	2480	25212	

END

DATE
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DTIC